

Original Latex file created on 19May06_2059 and Modified on May 22, 2006.

Numbers in tables created on unknown unknown unknown.

Data processed in Dec 2005 - Jan 2006.

This data has been skimmed from PNN2-ntuples with the following cuts: OR of 1/3 skims, BAD.RUN, (BOX2 or boxcuts), RSDEDXMAX, RSDEDXCL on the PNN2_SKIM set.

The title of a column describes the data set used.

pnn2 = PNN1+PNN2 data with the most up-to-date cuts applied.

pnn1 = PNN1 data with the most up-to-date cuts applied.

pnn2only = PNN2 data with the most up-to-date cuts applied.

Tables 1-5 are a summary of the long tables that follow.

The long tables track the events on a cut-by-cut basis. There are 3 columns per data set analyzed. In each column the first number in the cell is the number of events and the number in parenthesis is the rejection. The 1st column is the cuts applied sequentially; the 2nd is the application of only the listed cut; The 3rd is the number of events remaining before this cut is applied and the rejection of the cut.

Some cuts may have 787, 949, or cur attached to them. That means that the cut is set at the e787-pnn2, e949-pnn1, or the current e949-pnn2 level. Note that many of the cuts labeled cur are more than likely to be a carry over from e949-pnn1.

<i>rejection (n)</i>	notargf	early
<i>Loose Setup</i>	13290.5 ± 9397.5 (2)	13290.5 ± 9397.5 (2)
<i>TD</i>	7891.5 ± 5579.8 (2)	7891.5 ± 5579.8 (2)
<i>TD · KIN</i>	4943.0 ± 4942.5 (1)	4943.0 ± 4942.5 (1)

Table 1: **1-Beam Rejection Summary** of Tables 6-8. Each row is a different branch to measure the DELCO rejection. First number is the rejection. The number in parenthesis is the number of events remaining that the rejection is based upon. The minimum rejection is used in calculation of the 1-BM background for a conservative estimate.

<i>Norm. branches</i>	notargf	early
ALL cuts below NORM	1.0 ± 1.0	1.0 ± 1.0
<i>PV · TD norm</i>	5.0 ± 2.2	5.0 ± 2.2
<i>CkTRS · CkTail rej</i>	4.1 ± 1.3	4.1 ± 1.3
<i>BADEDX norm</i>	1.0 ± 1.0	1.0 ± 1.0
<i>CpiTRS · CpiTail rej</i>	0.0 ± 0.0	0.0 ± 0.0
N_K	1.6 ± 0.9	1.6 ± 0.9
N_{π}	99999.0 ± 19999.8	99999.0 ± 19999.8

Table 2: **1-Beam Normalization Summary** of Tables 9-13. The ALL-cuts-below row uses the combination of all cuts in the following 4 rows (branches) and is the normalization number used in the calculation of the numbers reported in Table 5 (Total Background). The sum of the last two rows provide a check on the ALL-cuts-below number.

<i>rejection</i> (<i>n</i>)	notargf	early
<i>Rej_{K-K}</i> : <i>BWTRS</i> · <i>CkTRS</i> · <i>CkTail</i>	10.3 ± 0.6 (266)	18.1 ± 1.8 (95)
<i>Rej_{K-pi}</i> : <i>BWTRS</i> · <i>CpiTRS</i> · <i>CpiTail</i>	39.0 ± 3.1 (155)	98.8 ± 17.1 (33)

Table 3: **2-Beam Rejection Summary** of Tables 14-15. First number is the rejection. The number in parenthesis is the number of events remaining that the rejection is based upon. K-K is the case where two Kaons are entering the beam. K-pi is the case where we have a Kaon and a Pion entering. $\overline{B4TRS \cdot B4CCD}$ is applied.

<i>Norm. branches</i>	notargf	early
<i>K-K_n</i> : <i>B4TRS</i> · <i>B4CCD</i>	1.0 ± 1.0	1.0 ± 1.0
<i>K-K_r</i> : <i>TG</i> · <i>TGKIN</i> · <i>TGPV</i>	2.0 ± 1.4	2.0 ± 1.4
<i>K-pi_n</i> : <i>B4TRS</i> · <i>B4CCD</i>	1.0 ± 1.0	1.0 ± 1.0
<i>K-pi_r</i> : <i>TG</i> · <i>TGKIN</i> · <i>TGPV</i>	6.0 ± 5.5	6.0 ± 5.5
<i>N_{K-K}</i>	1.0 ± 1.2	1.0 ± 1.2
<i>N_{K-pi}</i>	0.2 ± 0.3	0.2 ± 0.3

Table 4: **2-Beam Normalization Summary** of Tables 16-19. The 2-BM Normalization has 2 branches that are further bifurcated. *K-K_{r,n}* , *K-pi_{r,n}* are the results of the bifurcations, r=rejection, n=normalization, which we used to determine the last two rows. *N_{K-K}* and *N_{K-pi}* are the 2-BM normalization values which are used in combination with Table 3 to give the final background in Table 5. For KK (Kpi), $\overline{CkTRS \cdot CkTAIL \cdot BWTRS}$ ($\overline{CpiTRS \cdot CpiTAIL \cdot BWTRS}$) is applied

<i>Bkgrnd</i> ($\times 10^{-3}$)	k034	e787	notargf	early
1-BM	3.86 ± 2.36	1.66 ± 1.66	0.61 ± 0.61	0.61 ± 0.61
2-BM <i>KK</i>	0.983 ± 0.983	145.9 ± 145.9	323.62 ± 396.81	174.93 ± 214.95
2-BM <i>Kpi</i>	0.106 ± 0.106	19.7 ± 19.7	15.79 ± 21.41	6.14 ± 8.38
2-BM	1.14 ± 1.14	165.6 ± 165.6	339.41 ± 339.41	181.06 ± 181.06
<i>Total</i>	5.00 ± 2.62	167.3 ± 167.3	340.02 ± 340.02	181.67 ± 181.67

Table 5: **Total Background**. Scaled to the 3/3 sample. k034 column is the result of e949-pnn1 analysis. e787 is the result of the e787-PNN2 analysis. The other columns are current results that are expanded upon throughout the rest of the tables. The errors are statistical. *KB_{live}* for k034 is 1.77×10^{12} and for e787 is 1.71×10^{12} . e787 background has been scaled up accordingly for comparison purposes.

Table 6: 1-Beam Rejection. Branch no. 1

Cuts	notargf seq	notargf single	notargf allbut	early seq	early single	ear
<i>BOX</i>	763506 (0.00)	0 (763506.00)	2 (1.00)	763506 (0.00)	0 (763506.00)	
<i>rsdedxmax</i>	763506 (1.00)	0 (763506.00)	2 (1.00)	763506 (1.00)	0 (763506.00)	
<i>rsdedxcl</i>	763506 (1.00)	0 (763506.00)	2 (1.00)	763506 (1.00)	0 (763506.00)	
<i>rslike</i>	763506 (1.00)	0 (763506.00)	2 (1.00)	763506 (1.00)	0 (763506.00)	
<i>rngmom</i>	540193 (1.41)	223313 (3.42)	6 (3.00)	540193 (1.41)	223313 (3.42)	
<i>pv(nottg)</i>	287589 (1.88)	327438 (2.33)	7 (3.50)	287589 (1.88)	327438 (2.33)	
<i>bwtrs</i>	218807 (1.31)	176329 (4.33)	2 (1.00)	218807 (1.31)	176329 (4.33)	
<i>b4trs</i>	190944 (1.15)	170529 (4.48)	4 (2.00)	190944 (1.15)	170529 (4.48)	
<i>b4ccd</i>	190491 (1.00)	9165 (83.31)	2 (1.00)	190491 (1.00)	9165 (83.31)	
<i>tgqualt</i>	176293 (1.08)	54567 (13.99)	2 (1.00)	176293 (1.08)	54567 (13.99)	
<i>timcon</i>	175365 (1.01)	8971 (85.11)	2 (1.00)	175365 (1.01)	8971 (85.11)	
<i>epitg</i>	173126 (1.01)	19737 (38.68)	2 (1.00)	173126 (1.01)	19737 (38.68)	
<i>tger</i>	171966 (1.01)	20789 (36.73)	2 (1.00)	171966 (1.01)	20789 (36.73)	
<i>targf</i>	163539 (1.05)	105229 (7.26)	5 (2.50)	163539 (1.05)	105229 (7.26)	
<i>ticcon</i>	163536 (1.00)	117 (6525.69)	2 (1.00)	163536 (1.00)	117 (6525.69)	
<i>dtgttp</i>	163516 (1.00)	653 (1169.23)	2 (1.00)	163516 (1.00)	653 (1169.23)	
<i>rtdif</i>	157258 (1.04)	17941 (42.56)	2 (1.00)	157258 (1.04)	17941 (42.56)	
<i>epimaxk</i>	148417 (1.06)	46984 (16.25)	2 (1.00)	148417 (1.06)	46984 (16.25)	
<i>drp</i>	144313 (1.03)	13627 (56.03)	2 (1.00)	144313 (1.03)	13627 (56.03)	
<i>phivtx1</i>	112699 (1.28)	168683 (4.53)	5 (2.50)	112699 (1.28)	168683 (4.53)	
<i>iccon</i>	109710 (1.03)	32211 (23.70)	2 (1.00)	109710 (1.03)	32211 (23.70)	
<i>opsveto</i>	85469 (1.28)	233980 (3.26)	2 (1.00)	85469 (1.28)	233980 (3.26)	
<i>kic</i>	77112 (1.11)	153781 (4.96)	2 (1.00)	77112 (1.11)	153781 (4.96)	
<i>tggeo</i>	66459 (1.16)	319091 (2.39)	2 (1.00)	66459 (1.16)	319091 (2.39)	
<i>tdedge</i>	62087 (1.07)	108151 (7.06)	2 (1.00)	62087 (1.07)	108151 (7.06)	
<i>tgzfool</i>	61907 (1.00)	12333 (61.91)	2 (1.00)	61907 (1.00)	12333 (61.91)	
<i>upvtrs</i>	53869 (1.15)	60718 (12.57)	2 (1.00)	53869 (1.15)	60718 (12.57)	
<i>rvtrs</i>	53598 (1.01)	15533 (49.15)	2 (1.00)	53598 (1.01)	15533 (49.15)	
<i>tgtcon</i>	50905 (1.05)	60727 (12.57)	6 (3.00)	50905 (1.05)	60727 (12.57)	
<i>b4etcon</i>	49578 (1.03)	23606 (32.34)	2 (1.00)	49578 (1.03)	23606 (32.34)	
<i>b4abm < 1.0</i>	26581 (1.87)	581714 (1.31)	516 (258.00)	26581 (1.87)	581714 (1.31)	516
<i>DEL(0.)</i>	2 (13290.50)	544240 (1.40)	26581 (13290.50)	2 (13290.50)	544240 (1.40)	26581 (1
Total Rej.	13290.50			13290.50		

Table 7: 1-Beam Rejection. Branch no. 2

Cuts	notargf seq	notargf single	notargf allbut	early seq	early single	early
<i>BOX</i>	763506 (0.00)	0 (763506.00)	2 (1.00)	763506 (0.00)	0 (763506.00)	2
<i>rsdedxmax</i>	763506 (1.00)	0 (763506.00)	2 (1.00)	763506 (1.00)	0 (763506.00)	2
<i>rsdedxcl</i>	763506 (1.00)	0 (763506.00)	2 (1.00)	763506 (1.00)	0 (763506.00)	2
<i>rslike</i>	763506 (1.00)	0 (763506.00)	2 (1.00)	763506 (1.00)	0 (763506.00)	2
<i>rngmom</i>	540193 (1.41)	223313 (3.42)	2 (1.00)	540193 (1.41)	223313 (3.42)	2
<i>pv(nottg)</i>	287589 (1.88)	327438 (2.33)	3 (1.50)	287589 (1.88)	327438 (2.33)	3
<i>bwtrs</i>	218807 (1.31)	176329 (4.33)	2 (1.00)	218807 (1.31)	176329 (4.33)	2
<i>b4trs</i>	190944 (1.15)	170529 (4.48)	3 (1.50)	190944 (1.15)	170529 (4.48)	3
<i>b4ccd</i>	190491 (1.00)	9165 (83.31)	2 (1.00)	190491 (1.00)	9165 (83.31)	2
<i>tgqualt</i>	176293 (1.08)	54567 (13.99)	2 (1.00)	176293 (1.08)	54567 (13.99)	2
<i>timcon</i>	175365 (1.01)	8971 (85.11)	2 (1.00)	175365 (1.01)	8971 (85.11)	2
<i>epitg</i>	173126 (1.01)	19737 (38.68)	2 (1.00)	173126 (1.01)	19737 (38.68)	2
<i>tger</i>	171966 (1.01)	20789 (36.73)	2 (1.00)	171966 (1.01)	20789 (36.73)	2
<i>targf</i>	163539 (1.05)	105229 (7.26)	4 (2.00)	163539 (1.05)	105229 (7.26)	4
<i>ticcon</i>	163536 (1.00)	117 (6525.69)	2 (1.00)	163536 (1.00)	117 (6525.69)	2
<i>dtgttp</i>	163516 (1.00)	653 (1169.23)	2 (1.00)	163516 (1.00)	653 (1169.23)	2
<i>rtdif</i>	157258 (1.04)	17941 (42.56)	2 (1.00)	157258 (1.04)	17941 (42.56)	2
<i>epimaxk</i>	148417 (1.06)	46984 (16.25)	2 (1.00)	148417 (1.06)	46984 (16.25)	2
<i>drp</i>	144313 (1.03)	13627 (56.03)	2 (1.00)	144313 (1.03)	13627 (56.03)	2
<i>phivtx1</i>	112699 (1.28)	168683 (4.53)	4 (2.00)	112699 (1.28)	168683 (4.53)	4
<i>iccon</i>	109710 (1.03)	32211 (23.70)	2 (1.00)	109710 (1.03)	32211 (23.70)	2
<i>opsveto</i>	85469 (1.28)	233980 (3.26)	2 (1.00)	85469 (1.28)	233980 (3.26)	2
<i>kic</i>	77112 (1.11)	153781 (4.96)	2 (1.00)	77112 (1.11)	153781 (4.96)	2
<i>tggeo</i>	66459 (1.16)	319091 (2.39)	2 (1.00)	66459 (1.16)	319091 (2.39)	2
<i>tdedge</i>	62087 (1.07)	108151 (7.06)	2 (1.00)	62087 (1.07)	108151 (7.06)	2
<i>tgzfool</i>	61907 (1.00)	12333 (61.91)	2 (1.00)	61907 (1.00)	12333 (61.91)	2
<i>upvtrs</i>	53869 (1.15)	60718 (12.57)	2 (1.00)	53869 (1.15)	60718 (12.57)	2
<i>rvtrs</i>	53598 (1.01)	15533 (49.15)	2 (1.00)	53598 (1.01)	15533 (49.15)	2
<i>tgtcon</i>	50905 (1.05)	60727 (12.57)	5 (2.50)	50905 (1.05)	60727 (12.57)	5
<i>b4etcon</i>	49578 (1.03)	23606 (32.34)	2 (1.00)	49578 (1.03)	23606 (32.34)	2
<i>b4abm < 1.0</i>	26581 (1.87)	581714 (1.31)	235 (117.50)	26581 (1.87)	581714 (1.31)	235 (117.50)
<i>piflg</i>	26509 (1.00)	25958 (29.41)	2 (1.00)	26509 (1.00)	25958 (29.41)	2
<i>ev502</i>	21025 (1.26)	218072 (3.50)	2 (1.00)	21025 (1.26)	218072 (3.50)	2
<i>elveto</i>	19324 (1.09)	184712 (4.13)	2 (1.00)	19324 (1.09)	184712 (4.13)	2
<i>tdfool</i>	19279 (1.00)	134180 (5.69)	2 (1.00)	19279 (1.00)	134180 (5.69)	2
<i>tdvarrn02</i>	15783 (1.22)	283368 (2.69)	2 (1.00)	15783 (1.22)	283368 (2.69)	2
TD	15783 (1.00)	433258 (1.76)	2 (1.00)	15783 (1.00)	433258 (1.76)	2
<i>DEL(0.)</i>	2 (7891.50)	544240 (1.40)	15783 (7891.50)	2 (7891.50)	544240 (1.40)	15783 (7891.50)
Total Rej.		7891.50			7891.50	

Table 8: 1-Beam Rejection. Branch no. 3

Cuts	notargf seq	notargf single	notargf allbut	early seq	early single	early allbut
<i>BOX</i>	763506 (0.00)	0 (763506.00)	1 (1.00)	763506 (0.00)	0 (763506.00)	1 (1.00)
<i>rsdedxmax</i>	763506 (1.00)	0 (763506.00)	1 (1.00)	763506 (1.00)	0 (763506.00)	1 (1.00)
<i>rsdedxcl</i>	763506 (1.00)	0 (763506.00)	1 (1.00)	763506 (1.00)	0 (763506.00)	1 (1.00)
<i>rslike</i>	763506 (1.00)	0 (763506.00)	1 (1.00)	763506 (1.00)	0 (763506.00)	1 (1.00)
<i>rngmom</i>	540193 (1.41)	223313 (3.42)	1 (1.00)	540193 (1.41)	223313 (3.42)	1 (1.00)
<i>pv(nottg)</i>	287589 (1.88)	327438 (2.33)	1 (1.00)	287589 (1.88)	327438 (2.33)	1 (1.00)
<i>bwtrs</i>	218807 (1.31)	176329 (4.33)	1 (1.00)	218807 (1.31)	176329 (4.33)	1 (1.00)
<i>b4trs</i>	190944 (1.15)	170529 (4.48)	1 (1.00)	190944 (1.15)	170529 (4.48)	1 (1.00)
<i>b4ccd</i>	190491 (1.00)	9165 (83.31)	1 (1.00)	190491 (1.00)	9165 (83.31)	1 (1.00)
<i>tgqualt</i>	176293 (1.08)	54567 (13.99)	1 (1.00)	176293 (1.08)	54567 (13.99)	1 (1.00)
<i>timcon</i>	175365 (1.01)	8971 (85.11)	1 (1.00)	175365 (1.01)	8971 (85.11)	1 (1.00)
<i>epitg</i>	173126 (1.01)	19737 (38.68)	1 (1.00)	173126 (1.01)	19737 (38.68)	1 (1.00)
<i>tger</i>	171966 (1.01)	20789 (36.73)	1 (1.00)	171966 (1.01)	20789 (36.73)	1 (1.00)
<i>targf</i>	163539 (1.05)	105229 (7.26)	1 (1.00)	163539 (1.05)	105229 (7.26)	1 (1.00)
<i>ticcon</i>	163536 (1.00)	117 (6525.69)	1 (1.00)	163536 (1.00)	117 (6525.69)	1 (1.00)
<i>dtgttp</i>	163516 (1.00)	653 (1169.23)	1 (1.00)	163516 (1.00)	653 (1169.23)	1 (1.00)
<i>rtdif</i>	157258 (1.04)	17941 (42.56)	1 (1.00)	157258 (1.04)	17941 (42.56)	1 (1.00)
<i>epimaxk</i>	148417 (1.06)	46984 (16.25)	1 (1.00)	148417 (1.06)	46984 (16.25)	1 (1.00)
<i>drp</i>	144313 (1.03)	13627 (56.03)	1 (1.00)	144313 (1.03)	13627 (56.03)	1 (1.00)
<i>phivtx1</i>	112699 (1.28)	168683 (4.53)	1 (1.00)	112699 (1.28)	168683 (4.53)	1 (1.00)
<i>iccon</i>	109710 (1.03)	32211 (23.70)	1 (1.00)	109710 (1.03)	32211 (23.70)	1 (1.00)
<i>opsveto</i>	85469 (1.28)	233980 (3.26)	1 (1.00)	85469 (1.28)	233980 (3.26)	1 (1.00)
<i>kic</i>	77112 (1.11)	153781 (4.96)	1 (1.00)	77112 (1.11)	153781 (4.96)	1 (1.00)
<i>tggeo</i>	66459 (1.16)	319091 (2.39)	1 (1.00)	66459 (1.16)	319091 (2.39)	1 (1.00)
<i>tdedge</i>	62087 (1.07)	108151 (7.06)	1 (1.00)	62087 (1.07)	108151 (7.06)	1 (1.00)
<i>tgzfool</i>	61907 (1.00)	12333 (61.91)	1 (1.00)	61907 (1.00)	12333 (61.91)	1 (1.00)
<i>upvtrs</i>	53869 (1.15)	60718 (12.57)	1 (1.00)	53869 (1.15)	60718 (12.57)	1 (1.00)
<i>rvtrs</i>	53598 (1.01)	15533 (49.15)	1 (1.00)	53598 (1.01)	15533 (49.15)	1 (1.00)
<i>tgtcon</i>	50905 (1.05)	60727 (12.57)	3 (3.00)	50905 (1.05)	60727 (12.57)	3 (3.00)
<i>b4etcon</i>	49578 (1.03)	23606 (32.34)	1 (1.00)	49578 (1.03)	23606 (32.34)	1 (1.00)
<i>b4abm < 1.0</i>	26581 (1.87)	581714 (1.31)	112 (112.00)	26581 (1.87)	581714 (1.31)	112 (112.00)
<i>piflg</i>	26509 (1.00)	25958 (29.41)	1 (1.00)	26509 (1.00)	25958 (29.41)	1 (1.00)
<i>ev502</i>	21025 (1.26)	218072 (3.50)	1 (1.00)	21025 (1.26)	218072 (3.50)	1 (1.00)
<i>elveto</i>	19324 (1.09)	184712 (4.13)	1 (1.00)	19324 (1.09)	184712 (4.13)	1 (1.00)
<i>tdfool</i>	19279 (1.00)	134180 (5.69)	1 (1.00)	19279 (1.00)	134180 (5.69)	1 (1.00)
<i>tdvarrn02</i>	15783 (1.22)	283368 (2.69)	1 (1.00)	15783 (1.22)	283368 (2.69)	1 (1.00)
TD	15783 (1.00)	433258 (1.76)	1 (1.00)	15783 (1.00)	433258 (1.76)	1 (1.00)
<i>BOX</i>	15783 (1.00)	0 (763506.00)	1 (1.00)	15783 (1.00)	0 (763506.00)	1 (1.00)
<i>icodel14</i>	15783 (1.00)	4 (190877.00)	1 (1.00)	15783 (1.00)	4 (190877.00)	1 (1.00)
<i>cos3d</i>	14915 (1.06)	58256 (13.11)	1 (1.00)	14915 (1.06)	58256 (13.11)	1 (1.00)
<i>layv4</i>	14915 (1.00)	0 (763506.00)	1 (1.00)	14915 (1.00)	0 (763506.00)	1 (1.00)
<i>zfrf</i>	14910 (1.00)	828 (922.11)	1 (1.00)	14910 (1.00)	828 (922.11)	1 (1.00)
<i>zutout</i>	14906 (1.00)	592 (1289.71)	1 (1.00)	14906 (1.00)	592 (1289.71)	1 (1.00)
FIDUCIAL	14906 (1.00)	59345 (12.87)	1 (1.00)	14906 (1.00)	59345 (12.87)	1 (1.00)
<i>utcqual</i>	12995 (1.15)	153963 (4.96)	1 (1.00)	12995 (1.15)	153963 (4.96)	1 (1.00)
<i>rsdedxcl</i>	12995 (1.00)	0 (763506.00)	1 (1.00)	12995 (1.00)	0 (763506.00)	1 (1.00)

continued on next page

Cuts	notargf seq	notargf single	notargf allbut	early seq	early single	early allbut
<i>rsdedxmax</i>	12995 (1.00)	0 (763506.00)	1 (1.00)	12995 (1.00)	0 (763506.00)	1 (1.00)
<i>rslike</i>	12995 (1.00)	0 (763506.00)	1 (1.00)	12995 (1.00)	0 (763506.00)	1 (1.00)
<i>rngmom</i>	12995 (1.00)	223313 (3.42)	1 (1.00)	12995 (1.00)	223313 (3.42)	1 (1.00)
<i>prrf1</i>	12575 (1.03)	24547 (31.10)	1 (1.00)	12575 (1.03)	24547 (31.10)	1 (1.00)
<i>prrfz</i>	11996 (1.05)	51815 (14.74)	1 (1.00)	11996 (1.05)	51815 (14.74)	1 (1.00)
PRRF	11996 (1.00)	73789 (10.35)	1 (1.00)	11996 (1.00)	73789 (10.35)	1 (1.00)
<i>rtghi</i>	11990 (1.00)	2460 (310.37)	1 (1.00)	11990 (1.00)	2460 (310.37)	1 (1.00)
<i>etghi</i>	11865 (1.01)	18464 (41.35)	1 (1.00)	11865 (1.01)	18464 (41.35)	1 (1.00)
<i>tgdedx1</i>	10635 (1.12)	136457 (5.60)	1 (1.00)	10635 (1.12)	136457 (5.60)	1 (1.00)
<i>tgdedx2</i>	10297 (1.03)	63770 (11.97)	1 (1.00)	10297 (1.03)	63770 (11.97)	1 (1.00)
tgdedx	10297 (1.00)	210833 (3.62)	1 (1.00)	10297 (1.00)	210833 (3.62)	1 (1.00)
<i>tglike1</i>	9803 (1.05)	108578 (7.03)	1 (1.00)	9803 (1.05)	108578 (7.03)	1 (1.00)
<i>tglike2</i>	9365 (1.05)	97907 (7.80)	1 (1.00)	9365 (1.05)	97907 (7.80)	1 (1.00)
TGLIKE	9365 (1.00)	147246 (5.19)	1 (1.00)	9365 (1.00)	147246 (5.19)	1 (1.00)
<i>tgdb4</i>	9134 (1.03)	60906 (12.54)	1 (1.00)	9134 (1.03)	60906 (12.54)	1 (1.00)
<i>tgdb4tip</i>	6526 (1.40)	208039 (3.67)	1 (1.00)	6526 (1.40)	208039 (3.67)	1 (1.00)
<i>tgdvxtip</i>	5577 (1.17)	125191 (6.10)	1 (1.00)	5577 (1.17)	125191 (6.10)	1 (1.00)
<i>tgdvxpi</i>	5121 (1.09)	86718 (8.80)	1 (1.00)	5121 (1.09)	86718 (8.80)	1 (1.00)
TGB4	5121 (1.00)	314260 (2.43)	1 (1.00)	5121 (1.00)	314260 (2.43)	1 (1.00)
<i>pigap</i>	4943 (1.04)	68694 (11.11)	1 (1.00)	4943 (1.04)	68694 (11.11)	1 (1.00)
KIN	4943 (1.00)	646729 (1.18)	1 (1.00)	4943 (1.00)	646729 (1.18)	1 (1.00)
<i>DEL(0.)</i>	1 (4943.00)	544240 (1.40)	4943 (4943.00)	1 (4943.00)	544240 (1.40)	4943 (4943.00)
Total Rej.	4943.00			4943.00		

Table 9: 1-Beam Normalization. Branch no. 1

Cuts	notargf seq	notargf single	notargf allbut	early seq	early single	early allbut
<i>BOX</i>	763506 (0.00)	0 (763506.00)	0 (0.00)	763506 (0.00)	0 (763506.00)	0 (0.00)
<i>rsdedxmax</i>	763506 (1.00)	0 (763506.00)	0 (0.00)	763506 (1.00)	0 (763506.00)	0 (0.00)
<i>rsdedxcl</i>	763506 (1.00)	0 (763506.00)	0 (0.00)	763506 (1.00)	0 (763506.00)	0 (0.00)
<i>rslike</i>	763506 (1.00)	0 (763506.00)	0 (0.00)	763506 (1.00)	0 (763506.00)	0 (0.00)
<i>rngmom</i>	540193 (1.41)	223313 (3.42)	0 (0.00)	540193 (1.41)	223313 (3.42)	0 (0.00)
<i>BOX</i>	540193 (1.00)	0 (763506.00)	0 (0.00)	540193 (1.00)	0 (763506.00)	0 (0.00)
<i>icodel14</i>	540193 (1.00)	4 (190877.00)	0 (0.00)	540193 (1.00)	4 (190877.00)	0 (0.00)
<i>cos3d</i>	491709 (1.10)	58256 (13.11)	0 (0.00)	491709 (1.10)	58256 (13.11)	0 (0.00)
<i>layv4</i>	491709 (1.00)	0 (763506.00)	0 (0.00)	491709 (1.00)	0 (763506.00)	0 (0.00)
<i>zfrf</i>	491386 (1.00)	828 (922.11)	0 (0.00)	491386 (1.00)	828 (922.11)	0 (0.00)
<i>zutout</i>	491085 (1.00)	592 (1289.71)	0 (0.00)	491085 (1.00)	592 (1289.71)	0 (0.00)
FIDUCIAL	491085 (1.00)	59345 (12.87)	0 (0.00)	491085 (1.00)	59345 (12.87)	0 (0.00)
<i>utcqual</i>	407397 (1.21)	153963 (4.96)	0 (0.00)	407397 (1.21)	153963 (4.96)	0 (0.00)
<i>rsdedxcl</i>	407397 (1.00)	0 (763506.00)	0 (0.00)	407397 (1.00)	0 (763506.00)	0 (0.00)
<i>rsdedxmax</i>	407397 (1.00)	0 (763506.00)	0 (0.00)	407397 (1.00)	0 (763506.00)	0 (0.00)
<i>rslike</i>	407397 (1.00)	0 (763506.00)	0 (0.00)	407397 (1.00)	0 (763506.00)	0 (0.00)
<i>tgktim</i>	407397 (1.00)	0 (763506.00)	0 (0.00)	407397 (1.00)	0 (763506.00)	0 (0.00)
<i>rngmom</i>	407397 (1.00)	223313 (3.42)	0 (0.00)	407397 (1.00)	223313 (3.42)	0 (0.00)
<i>prrf1</i>	396237 (1.03)	24547 (31.10)	0 (0.00)	396237 (1.03)	24547 (31.10)	0 (0.00)
<i>prrfz</i>	374122 (1.06)	51815 (14.74)	0 (0.00)	374122 (1.06)	51815 (14.74)	0 (0.00)
PRRF	374122 (1.00)	73789 (10.35)	0 (0.00)	374122 (1.00)	73789 (10.35)	0 (0.00)
<i>rtghi</i>	373591 (1.00)	2460 (310.37)	0 (0.00)	373591 (1.00)	2460 (310.37)	0 (0.00)
<i>etghi</i>	366275 (1.02)	18464 (41.35)	0 (0.00)	366275 (1.02)	18464 (41.35)	0 (0.00)
<i>tgdedx1</i>	285444 (1.28)	136457 (5.60)	0 (0.00)	285444 (1.28)	136457 (5.60)	0 (0.00)
<i>tgdedx2</i>	259441 (1.10)	63770 (11.97)	0 (0.00)	259441 (1.10)	63770 (11.97)	0 (0.00)
TGDEDX	259441 (1.00)	210833 (3.62)	0 (0.00)	259441 (1.00)	210833 (3.62)	0 (0.00)
<i>tglike1</i>	236057 (1.10)	108578 (7.03)	0 (0.00)	236057 (1.10)	108578 (7.03)	0 (0.00)
<i>tglike2</i>	222936 (1.06)	97907 (7.80)	0 (0.00)	222936 (1.06)	97907 (7.80)	0 (0.00)
TGLIKE	222936 (1.00)	147246 (5.19)	0 (0.00)	222936 (1.00)	147246 (5.19)	0 (0.00)
<i>tgdb4</i>	206294 (1.08)	60906 (12.54)	0 (0.00)	206294 (1.08)	60906 (12.54)	0 (0.00)
<i>tgdb4tip</i>	154290 (1.34)	208039 (3.67)	0 (0.00)	154290 (1.34)	208039 (3.67)	0 (0.00)
<i>tgdvxtip</i>	132660 (1.16)	125191 (6.10)	0 (0.00)	132660 (1.16)	125191 (6.10)	0 (0.00)
<i>tgdvxpi</i>	123497 (1.07)	86718 (8.80)	0 (0.00)	123497 (1.07)	86718 (8.80)	0 (0.00)
TGB4	123497 (1.00)	314260 (2.43)	0 (0.00)	123497 (1.00)	314260 (2.43)	0 (0.00)
<i>pigap</i>	116777 (1.06)	68694 (11.11)	0 (0.00)	116777 (1.06)	68694 (11.11)	0 (0.00)
KIN	116777 (1.00)	646729 (1.18)	0 (0.00)	116777 (1.00)	646729 (1.18)	0 (0.00)
<i>tgpv</i>	85384 (1.37)	229186 (3.33)	0 (0.00)	85384 (1.37)	229186 (3.33)	0 (0.00)
<i>bwtrs</i>	75772 (1.13)	176329 (4.33)	0 (0.00)	75772 (1.13)	176329 (4.33)	0 (0.00)
<i>b4trs</i>	68939 (1.10)	170529 (4.48)	0 (0.00)	68939 (1.10)	170529 (4.48)	0 (0.00)
<i>b4ccd</i>	68468 (1.01)	9165 (83.31)	0 (0.00)	68468 (1.01)	9165 (83.31)	0 (0.00)
<i>tgqualt</i>	62822 (1.09)	54567 (13.99)	0 (0.00)	62822 (1.09)	54567 (13.99)	0 (0.00)
<i>timcon</i>	62420 (1.01)	8971 (85.11)	0 (0.00)	62420 (1.01)	8971 (85.11)	0 (0.00)
<i>epitg</i>	62350 (1.00)	19737 (38.68)	0 (0.00)	62350 (1.00)	19737 (38.68)	0 (0.00)
<i>tger</i>	62325 (1.00)	20789 (36.73)	0 (0.00)	62325 (1.00)	20789 (36.73)	0 (0.00)
<i>targf</i>	59585 (1.05)	105229 (7.26)	0 (0.00)	59585 (1.05)	105229 (7.26)	0 (0.00)
<i>ticcon</i>	59584 (1.00)	117 (6525.69)	0 (0.00)	59584 (1.00)	117 (6525.69)	0 (0.00)

continued on next page

Cuts	notargf seq	notargf single	notargf allbut	early seq	early single	early allbut
<i>dtgttp</i>	59584 (1.00)	653 (1169.23)	0 (0.00)	59584 (1.00)	653 (1169.23)	0 (0.00)
<i>rtdif</i>	58648 (1.02)	17941 (42.56)	0 (0.00)	58648 (1.02)	17941 (42.56)	0 (0.00)
<i>epimaxk</i>	57529 (1.02)	46984 (16.25)	0 (0.00)	57529 (1.02)	46984 (16.25)	0 (0.00)
<i>drp</i>	57136 (1.01)	13627 (56.03)	0 (0.00)	57136 (1.01)	13627 (56.03)	0 (0.00)
<i>phivtx1</i>	48421 (1.18)	168683 (4.53)	0 (0.00)	48421 (1.18)	168683 (4.53)	0 (0.00)
<i>ecccon</i>	47335 (1.02)	32211 (23.70)	0 (0.00)	47335 (1.02)	32211 (23.70)	0 (0.00)
<i>opsveto</i>	39658 (1.19)	233980 (3.26)	0 (0.00)	39658 (1.19)	233980 (3.26)	0 (0.00)
<i>kic</i>	34870 (1.14)	153781 (4.96)	0 (0.00)	34870 (1.14)	153781 (4.96)	0 (0.00)
<i>tggeo</i>	29031 (1.20)	319091 (2.39)	0 (0.00)	29031 (1.20)	319091 (2.39)	0 (0.00)
<i>tdedge</i>	28133 (1.03)	108151 (7.06)	0 (0.00)	28133 (1.03)	108151 (7.06)	0 (0.00)
<i>tgzfool</i>	28119 (1.00)	12333 (61.91)	0 (0.00)	28119 (1.00)	12333 (61.91)	0 (0.00)
<i>upvtrs</i>	25202 (1.12)	60718 (12.57)	0 (0.00)	25202 (1.12)	60718 (12.57)	0 (0.00)
<i>rvtrs</i>	25101 (1.00)	15533 (49.15)	0 (0.00)	25101 (1.00)	15533 (49.15)	0 (0.00)
<i>tgtcon</i>	22417 (1.12)	60727 (12.57)	0 (0.00)	22417 (1.12)	60727 (12.57)	0 (0.00)
<i>b4etcon</i>	21921 (1.02)	23606 (32.34)	0 (0.00)	21921 (1.02)	23606 (32.34)	0 (0.00)
<i>b4ekz</i>	7366 (2.98)	521719 (1.46)	0 (0.00)	7366 (2.98)	521719 (1.46)	0 (0.00)
<i>b4ekzic</i>	7366 (1.00)	78714 (9.70)	0 (0.00)	7366 (1.00)	78714 (9.70)	0 (0.00)
<i>b4tim</i>	4869 (1.51)	395143 (1.93)	0 (0.00)	4869 (1.51)	395143 (1.93)	0 (0.00)
<i>tgktim</i>	4869 (1.00)	0 (763506.00)	0 (0.00)	4869 (1.00)	0 (763506.00)	0 (0.00)
<i>tgenr</i>	4824 (1.01)	92823 (8.23)	0 (0.00)	4824 (1.01)	92823 (8.23)	0 (0.00)
<i>chi567</i>	3063 (1.57)	511542 (1.49)	0 (0.00)	3063 (1.57)	511542 (1.49)	0 (0.00)
<i>npitg</i>	3063 (1.00)	54567 (13.99)	0 (0.00)	3063 (1.00)	54567 (13.99)	0 (0.00)
<i>verrng</i>	2614 (1.17)	321757 (2.37)	0 (0.00)	2614 (1.17)	321757 (2.37)	0 (0.00)
<i>chi5max</i>	2526 (1.03)	225902 (3.38)	0 (0.00)	2526 (1.03)	225902 (3.38)	0 (0.00)
<i>angli</i>	2519 (1.00)	53576 (14.25)	0 (0.00)	2519 (1.00)	53576 (14.25)	0 (0.00)
<i>ALLKfit</i>	2069 (1.22)	291298 (2.62)	0 (0.00)	2069 (1.22)	291298 (2.62)	0 (0.00)
<i>tpics</i>	1884 (1.10)	98026 (7.79)	0 (0.00)	1884 (1.10)	98026 (7.79)	0 (0.00)
<i>epionk</i>	1854 (1.02)	21959 (34.77)	0 (0.00)	1854 (1.02)	21959 (34.77)	0 (0.00)
<i>ccdpu</i>	169 (10.97)	613958 (1.24)	0 (0.00)	169 (10.97)	613958 (1.24)	0 (0.00)
<i>timkf</i>	120 (1.41)	553685 (1.38)	0 (0.00)	120 (1.41)	553685 (1.38)	0 (0.00)
<i>DELC(0.)</i>	38 (3.16)	219266 (3.48)	2 (2.00)	38 (3.16)	219266 (3.48)	2 (2.00)
<i>cpitrs</i>	38 (1.00)	318061 (2.40)	0 (0.00)	38 (1.00)	318061 (2.40)	0 (0.00)
<i>cpitail</i>	38 (1.00)	56586 (13.49)	0 (0.00)	38 (1.00)	56586 (13.49)	0 (0.00)
<i>b4dedx</i>	38 (1.00)	212707 (3.59)	0 (0.00)	38 (1.00)	212707 (3.59)	0 (0.00)
<i>cktrs</i>	15 (2.53)	267206 (2.86)	1 (1.00)	15 (2.53)	267206 (2.86)	1 (1.00)
<i>cktail</i>	8 (1.88)	170693 (4.47)	0 (0.00)	8 (1.88)	170693 (4.47)	0 (0.00)
<i>PV</i>	0 (8.00)	433883 (1.76)	3 (3.00)	0 (8.00)	433883 (1.76)	3 (3.00)
<i>pi_flg</i>	0 (0.00)	25958 (29.41)	0 (0.00)	0 (0.00)	25958 (29.41)	0 (0.00)
<i>ev502</i>	0 (0.00)	218072 (3.50)	0 (0.00)	0 (0.00)	218072 (3.50)	0 (0.00)
<i>elveto</i>	0 (0.00)	184712 (4.13)	0 (0.00)	0 (0.00)	184712 (4.13)	0 (0.00)
<i>tdfool</i>	0 (0.00)	134180 (5.69)	0 (0.00)	0 (0.00)	134180 (5.69)	0 (0.00)
<i>tdvarnn02</i>	0 (0.00)	283368 (2.69)	0 (0.00)	0 (0.00)	283368 (2.69)	0 (0.00)
TD	0 (0.00)	433258 (1.76)	0 (0.00)	0 (0.00)	433258 (1.76)	0 (0.00)
Total Rej.		38.00			38.00	

Table 10: 1-Beam Normalization. Branch no. 2

Cuts	notargf seq	notargf single	notargf allbut	early seq	early single	early allbut
<i>BOX</i>	763506 (0.00)	0 (763506.00)	5 (1.00)	763506 (0.00)	0 (763506.00)	5 (1.00)
<i>rsdedxmax</i>	763506 (1.00)	0 (763506.00)	5 (1.00)	763506 (1.00)	0 (763506.00)	5 (1.00)
<i>rsdedxcl</i>	763506 (1.00)	0 (763506.00)	5 (1.00)	763506 (1.00)	0 (763506.00)	5 (1.00)
<i>rslike</i>	763506 (1.00)	0 (763506.00)	5 (1.00)	763506 (1.00)	0 (763506.00)	5 (1.00)
<i>rngmom</i>	540193 (1.41)	223313 (3.42)	5 (1.00)	540193 (1.41)	223313 (3.42)	5 (1.00)
<i>BOX</i>	540193 (1.00)	0 (763506.00)	5 (1.00)	540193 (1.00)	0 (763506.00)	5 (1.00)
<i>icodel14</i>	540193 (1.00)	4 (190877.00)	5 (1.00)	540193 (1.00)	4 (190877.00)	5 (1.00)
<i>cos3d</i>	491709 (1.10)	58256 (13.11)	5 (1.00)	491709 (1.10)	58256 (13.11)	5 (1.00)
<i>layv4</i>	491709 (1.00)	0 (763506.00)	5 (1.00)	491709 (1.00)	0 (763506.00)	5 (1.00)
<i>zfrf</i>	491386 (1.00)	828 (922.11)	5 (1.00)	491386 (1.00)	828 (922.11)	5 (1.00)
<i>zutout</i>	491085 (1.00)	592 (1289.71)	5 (1.00)	491085 (1.00)	592 (1289.71)	5 (1.00)
FIDUCIAL	491085 (1.00)	59345 (12.87)	5 (1.00)	491085 (1.00)	59345 (12.87)	5 (1.00)
<i>utcqual</i>	407397 (1.21)	153963 (4.96)	5 (1.00)	407397 (1.21)	153963 (4.96)	5 (1.00)
<i>rsdedxcl</i>	407397 (1.00)	0 (763506.00)	5 (1.00)	407397 (1.00)	0 (763506.00)	5 (1.00)
<i>rsdedxmax</i>	407397 (1.00)	0 (763506.00)	5 (1.00)	407397 (1.00)	0 (763506.00)	5 (1.00)
<i>rslike</i>	407397 (1.00)	0 (763506.00)	5 (1.00)	407397 (1.00)	0 (763506.00)	5 (1.00)
<i>tgktim</i>	407397 (1.00)	0 (763506.00)	5 (1.00)	407397 (1.00)	0 (763506.00)	5 (1.00)
<i>rngmom</i>	407397 (1.00)	223313 (3.42)	5 (1.00)	407397 (1.00)	223313 (3.42)	5 (1.00)
<i>prrf1</i>	396237 (1.03)	24547 (31.10)	5 (1.00)	396237 (1.03)	24547 (31.10)	5 (1.00)
<i>prrfz</i>	374122 (1.06)	51815 (14.74)	5 (1.00)	374122 (1.06)	51815 (14.74)	5 (1.00)
PRRF	374122 (1.00)	73789 (10.35)	5 (1.00)	374122 (1.00)	73789 (10.35)	5 (1.00)
<i>rtghi</i>	373591 (1.00)	2460 (310.37)	5 (1.00)	373591 (1.00)	2460 (310.37)	5 (1.00)
<i>etghi</i>	366275 (1.02)	18464 (41.35)	5 (1.00)	366275 (1.02)	18464 (41.35)	5 (1.00)
<i>tgdedx1</i>	285444 (1.28)	136457 (5.60)	5 (1.00)	285444 (1.28)	136457 (5.60)	5 (1.00)
<i>tgdedx2</i>	259441 (1.10)	63770 (11.97)	5 (1.00)	259441 (1.10)	63770 (11.97)	5 (1.00)
TGDEDX	259441 (1.00)	210833 (3.62)	5 (1.00)	259441 (1.00)	210833 (3.62)	5 (1.00)
<i>tglike1</i>	236057 (1.10)	108578 (7.03)	5 (1.00)	236057 (1.10)	108578 (7.03)	5 (1.00)
<i>tglike2</i>	222936 (1.06)	97907 (7.80)	5 (1.00)	222936 (1.06)	97907 (7.80)	5 (1.00)
TGLIKE	222936 (1.00)	147246 (5.19)	5 (1.00)	222936 (1.00)	147246 (5.19)	5 (1.00)
<i>tgdb4</i>	206294 (1.08)	60906 (12.54)	5 (1.00)	206294 (1.08)	60906 (12.54)	5 (1.00)
<i>tgdb4tip</i>	154290 (1.34)	208039 (3.67)	5 (1.00)	154290 (1.34)	208039 (3.67)	5 (1.00)
<i>tgdvxtip</i>	132660 (1.16)	125191 (6.10)	5 (1.00)	132660 (1.16)	125191 (6.10)	5 (1.00)
<i>tgdvxpi</i>	123497 (1.07)	86718 (8.80)	5 (1.00)	123497 (1.07)	86718 (8.80)	5 (1.00)
TGB4	123497 (1.00)	314260 (2.43)	5 (1.00)	123497 (1.00)	314260 (2.43)	5 (1.00)
<i>pigap</i>	116777 (1.06)	68694 (11.11)	5 (1.00)	116777 (1.06)	68694 (11.11)	5 (1.00)
KIN	116777 (1.00)	646729 (1.18)	5 (1.00)	116777 (1.00)	646729 (1.18)	5 (1.00)
<i>tgpv</i>	85384 (1.37)	229186 (3.33)	5 (1.00)	85384 (1.37)	229186 (3.33)	5 (1.00)
<i>bwtrs</i>	75772 (1.13)	176329 (4.33)	5 (1.00)	75772 (1.13)	176329 (4.33)	5 (1.00)
<i>b4trs</i>	68939 (1.10)	170529 (4.48)	5 (1.00)	68939 (1.10)	170529 (4.48)	5 (1.00)
<i>b4ccd</i>	68468 (1.01)	9165 (83.31)	5 (1.00)	68468 (1.01)	9165 (83.31)	5 (1.00)
<i>tgqualt</i>	62822 (1.09)	54567 (13.99)	5 (1.00)	62822 (1.09)	54567 (13.99)	5 (1.00)
<i>timcon</i>	62420 (1.01)	8971 (85.11)	5 (1.00)	62420 (1.01)	8971 (85.11)	5 (1.00)
<i>epitg</i>	62350 (1.00)	19737 (38.68)	5 (1.00)	62350 (1.00)	19737 (38.68)	5 (1.00)
<i>tger</i>	62325 (1.00)	20789 (36.73)	5 (1.00)	62325 (1.00)	20789 (36.73)	5 (1.00)
<i>targf</i>	59585 (1.05)	105229 (7.26)	5 (1.00)	59585 (1.05)	105229 (7.26)	5 (1.00)
<i>ticcon</i>	59584 (1.00)	117 (6525.69)	5 (1.00)	59584 (1.00)	117 (6525.69)	5 (1.00)

continued on next page

Cuts	notargf seq	notargf single	notargf allbut	early seq	early single	early allbut
<i>dtgttp</i>	59584 (1.00)	653 (1169.23)	5 (1.00)	59584 (1.00)	653 (1169.23)	5 (1.00)
<i>rtdif</i>	58648 (1.02)	17941 (42.56)	5 (1.00)	58648 (1.02)	17941 (42.56)	5 (1.00)
<i>epimaxk</i>	57529 (1.02)	46984 (16.25)	5 (1.00)	57529 (1.02)	46984 (16.25)	5 (1.00)
<i>drp</i>	57136 (1.01)	13627 (56.03)	5 (1.00)	57136 (1.01)	13627 (56.03)	5 (1.00)
<i>phivtx1</i>	48421 (1.18)	168683 (4.53)	5 (1.00)	48421 (1.18)	168683 (4.53)	5 (1.00)
<i>ecccon</i>	47335 (1.02)	32211 (23.70)	5 (1.00)	47335 (1.02)	32211 (23.70)	5 (1.00)
<i>opsveto</i>	39658 (1.19)	233980 (3.26)	6 (1.20)	39658 (1.19)	233980 (3.26)	6 (1.20)
<i>kic</i>	34870 (1.14)	153781 (4.96)	5 (1.00)	34870 (1.14)	153781 (4.96)	5 (1.00)
<i>tggeo</i>	29031 (1.20)	319091 (2.39)	6 (1.20)	29031 (1.20)	319091 (2.39)	6 (1.20)
<i>tdedge</i>	28133 (1.03)	108151 (7.06)	5 (1.00)	28133 (1.03)	108151 (7.06)	5 (1.00)
<i>tgzfool</i>	28119 (1.00)	12333 (61.91)	5 (1.00)	28119 (1.00)	12333 (61.91)	5 (1.00)
<i>upvtrs</i>	25202 (1.12)	60718 (12.57)	5 (1.00)	25202 (1.12)	60718 (12.57)	5 (1.00)
<i>rvtrs</i>	25101 (1.00)	15533 (49.15)	5 (1.00)	25101 (1.00)	15533 (49.15)	5 (1.00)
<i>tgtcon</i>	22417 (1.12)	60727 (12.57)	5 (1.00)	22417 (1.12)	60727 (12.57)	5 (1.00)
<i>b4etcon</i>	21921 (1.02)	23606 (32.34)	5 (1.00)	21921 (1.02)	23606 (32.34)	5 (1.00)
<i>b4ekz</i>	7366 (2.98)	521719 (1.46)	11 (2.20)	7366 (2.98)	521719 (1.46)	11 (2.20)
<i>b4ekzic</i>	7366 (1.00)	78714 (9.70)	5 (1.00)	7366 (1.00)	78714 (9.70)	5 (1.00)
<i>b4tim</i>	4869 (1.51)	395143 (1.93)	5 (1.00)	4869 (1.51)	395143 (1.93)	5 (1.00)
<i>tgktim</i>	4869 (1.00)	0 (763506.00)	5 (1.00)	4869 (1.00)	0 (763506.00)	5 (1.00)
<i>tgenr</i>	4824 (1.01)	92823 (8.23)	5 (1.00)	4824 (1.01)	92823 (8.23)	5 (1.00)
<i>chi567</i>	3063 (1.57)	511542 (1.49)	5 (1.00)	3063 (1.57)	511542 (1.49)	5 (1.00)
<i>npitg</i>	3063 (1.00)	54567 (13.99)	5 (1.00)	3063 (1.00)	54567 (13.99)	5 (1.00)
<i>verrng</i>	2614 (1.17)	321757 (2.37)	7 (1.40)	2614 (1.17)	321757 (2.37)	7 (1.40)
<i>chi5max</i>	2526 (1.03)	225902 (3.38)	5 (1.00)	2526 (1.03)	225902 (3.38)	5 (1.00)
<i>angli</i>	2519 (1.00)	53576 (14.25)	5 (1.00)	2519 (1.00)	53576 (14.25)	5 (1.00)
<i>ALLKfit</i>	2069 (1.22)	291298 (2.62)	8 (1.60)	2069 (1.22)	291298 (2.62)	8 (1.60)
<i>tpics</i>	1884 (1.10)	98026 (7.79)	6 (1.20)	1884 (1.10)	98026 (7.79)	6 (1.20)
<i>epionk</i>	1854 (1.02)	21959 (34.77)	5 (1.00)	1854 (1.02)	21959 (34.77)	5 (1.00)
<i>ccdpu</i>	169 (10.97)	613958 (1.24)	27 (5.40)	169 (10.97)	613958 (1.24)	27 (5.40)
<i>timkf</i>	120 (1.41)	553685 (1.38)	6 (1.20)	120 (1.41)	553685 (1.38)	6 (1.20)
<i>DEL(0.)</i>	38 (3.16)	219266 (3.48)	5 (1.00)	38 (3.16)	219266 (3.48)	5 (1.00)
<i>cpitrs</i>	38 (1.00)	318061 (2.40)	5 (1.00)	38 (1.00)	318061 (2.40)	5 (1.00)
<i>cpitail</i>	38 (1.00)	56586 (13.49)	5 (1.00)	38 (1.00)	56586 (13.49)	5 (1.00)
<i>b4dedx</i>	38 (1.00)	212707 (3.59)	5 (1.00)	38 (1.00)	212707 (3.59)	5 (1.00)
<i>cktrs · cktail</i>	30 (1.27)	462111 (1.65)	5 (1.00)	30 (1.27)	462111 (1.65)	5 (1.00)
<i>PV</i>	7 (4.29)	433883 (1.76)	19 (3.80)	7 (4.29)	433883 (1.76)	19 (3.80)
<i>pi_flg</i>	7 (1.00)	25958 (29.41)	5 (1.00)	7 (1.00)	25958 (29.41)	5 (1.00)
<i>ev502</i>	5 (1.40)	218072 (3.50)	5 (1.00)	5 (1.40)	218072 (3.50)	5 (1.00)
<i>elveto</i>	5 (1.00)	184712 (4.13)	5 (1.00)	5 (1.00)	184712 (4.13)	5 (1.00)
<i>tdfool</i>	5 (1.00)	134180 (5.69)	5 (1.00)	5 (1.00)	134180 (5.69)	5 (1.00)
<i>tdvarnm02</i>	5 (1.00)	283368 (2.69)	5 (1.00)	5 (1.00)	283368 (2.69)	5 (1.00)
TD	5 (1.00)	433258 (1.76)	5 (1.00)	5 (1.00)	433258 (1.76)	5 (1.00)
Total Rej.		6.00		6.00		

Table 11: 1-Beam Normalization. Branch no. 3

Cuts	notargf seq	notargf single	notargf allbut	early seq	early single	early allbut
<i>BOX</i>	763506 (0.00)	0 (763506.00)	8 (1.00)	763506 (0.00)	0 (763506.00)	8 (1.00)
<i>rsdedxmax</i>	763506 (1.00)	0 (763506.00)	8 (1.00)	763506 (1.00)	0 (763506.00)	8 (1.00)
<i>rsdedxcl</i>	763506 (1.00)	0 (763506.00)	8 (1.00)	763506 (1.00)	0 (763506.00)	8 (1.00)
<i>rslike</i>	763506 (1.00)	0 (763506.00)	8 (1.00)	763506 (1.00)	0 (763506.00)	8 (1.00)
<i>rngmom</i>	540193 (1.41)	223313 (3.42)	8 (1.00)	540193 (1.41)	223313 (3.42)	8 (1.00)
<i>BOX</i>	540193 (1.00)	0 (763506.00)	8 (1.00)	540193 (1.00)	0 (763506.00)	8 (1.00)
<i>icodel14</i>	540193 (1.00)	4 (190877.00)	8 (1.00)	540193 (1.00)	4 (190877.00)	8 (1.00)
<i>cos3d</i>	491709 (1.10)	58256 (13.11)	8 (1.00)	491709 (1.10)	58256 (13.11)	8 (1.00)
<i>layv4</i>	491709 (1.00)	0 (763506.00)	8 (1.00)	491709 (1.00)	0 (763506.00)	8 (1.00)
<i>zfrf</i>	491386 (1.00)	828 (922.11)	8 (1.00)	491386 (1.00)	828 (922.11)	8 (1.00)
<i>zutout</i>	491085 (1.00)	592 (1289.71)	8 (1.00)	491085 (1.00)	592 (1289.71)	8 (1.00)
FIDUCIAL	491085 (1.00)	59345 (12.87)	8 (1.00)	491085 (1.00)	59345 (12.87)	8 (1.00)
<i>utcqual</i>	407397 (1.21)	153963 (4.96)	8 (1.00)	407397 (1.21)	153963 (4.96)	8 (1.00)
<i>rsdedxcl</i>	407397 (1.00)	0 (763506.00)	8 (1.00)	407397 (1.00)	0 (763506.00)	8 (1.00)
<i>rsdedxmax</i>	407397 (1.00)	0 (763506.00)	8 (1.00)	407397 (1.00)	0 (763506.00)	8 (1.00)
<i>rslike</i>	407397 (1.00)	0 (763506.00)	8 (1.00)	407397 (1.00)	0 (763506.00)	8 (1.00)
<i>tgktim</i>	407397 (1.00)	0 (763506.00)	8 (1.00)	407397 (1.00)	0 (763506.00)	8 (1.00)
<i>rngmom</i>	407397 (1.00)	223313 (3.42)	8 (1.00)	407397 (1.00)	223313 (3.42)	8 (1.00)
<i>prrf1</i>	396237 (1.03)	24547 (31.10)	8 (1.00)	396237 (1.03)	24547 (31.10)	8 (1.00)
<i>prrfz</i>	374122 (1.06)	51815 (14.74)	8 (1.00)	374122 (1.06)	51815 (14.74)	8 (1.00)
PRRF	374122 (1.00)	73789 (10.35)	8 (1.00)	374122 (1.00)	73789 (10.35)	8 (1.00)
<i>rtghi</i>	373591 (1.00)	2460 (310.37)	8 (1.00)	373591 (1.00)	2460 (310.37)	8 (1.00)
<i>etghi</i>	366275 (1.02)	18464 (41.35)	8 (1.00)	366275 (1.02)	18464 (41.35)	8 (1.00)
<i>tgdedx1</i>	285444 (1.28)	136457 (5.60)	8 (1.00)	285444 (1.28)	136457 (5.60)	8 (1.00)
<i>tgdedx2</i>	259441 (1.10)	63770 (11.97)	8 (1.00)	259441 (1.10)	63770 (11.97)	8 (1.00)
tgdedx	259441 (1.00)	210833 (3.62)	8 (1.00)	259441 (1.00)	210833 (3.62)	8 (1.00)
<i>tglike1</i>	236057 (1.10)	108578 (7.03)	8 (1.00)	236057 (1.10)	108578 (7.03)	8 (1.00)
<i>tglike2</i>	222936 (1.06)	97907 (7.80)	8 (1.00)	222936 (1.06)	97907 (7.80)	8 (1.00)
TGLIKE	222936 (1.00)	147246 (5.19)	8 (1.00)	222936 (1.00)	147246 (5.19)	8 (1.00)
<i>tgdb4</i>	206294 (1.08)	60906 (12.54)	8 (1.00)	206294 (1.08)	60906 (12.54)	8 (1.00)
<i>tgdb4tip</i>	154290 (1.34)	208039 (3.67)	8 (1.00)	154290 (1.34)	208039 (3.67)	8 (1.00)
<i>tgdvxtip</i>	132660 (1.16)	125191 (6.10)	8 (1.00)	132660 (1.16)	125191 (6.10)	8 (1.00)
<i>tgdvxpi</i>	123497 (1.07)	86718 (8.80)	8 (1.00)	123497 (1.07)	86718 (8.80)	8 (1.00)
TGB4	123497 (1.00)	314260 (2.43)	8 (1.00)	123497 (1.00)	314260 (2.43)	8 (1.00)
<i>pigap</i>	116777 (1.06)	68694 (11.11)	8 (1.00)	116777 (1.06)	68694 (11.11)	8 (1.00)
KIN	116777 (1.00)	646729 (1.18)	8 (1.00)	116777 (1.00)	646729 (1.18)	8 (1.00)
<i>tgpv</i>	85384 (1.37)	229186 (3.33)	8 (1.00)	85384 (1.37)	229186 (3.33)	8 (1.00)
<i>bwtrs</i>	75772 (1.13)	176329 (4.33)	8 (1.00)	75772 (1.13)	176329 (4.33)	8 (1.00)
<i>b4trs</i>	68939 (1.10)	170529 (4.48)	8 (1.00)	68939 (1.10)	170529 (4.48)	8 (1.00)
<i>b4ccd</i>	68468 (1.01)	9165 (83.31)	8 (1.00)	68468 (1.01)	9165 (83.31)	8 (1.00)
<i>tgqualt</i>	62822 (1.09)	54567 (13.99)	8 (1.00)	62822 (1.09)	54567 (13.99)	8 (1.00)
<i>timcon</i>	62420 (1.01)	8971 (85.11)	8 (1.00)	62420 (1.01)	8971 (85.11)	8 (1.00)
<i>epitg</i>	62350 (1.00)	19737 (38.68)	8 (1.00)	62350 (1.00)	19737 (38.68)	8 (1.00)
<i>tger</i>	62325 (1.00)	20789 (36.73)	8 (1.00)	62325 (1.00)	20789 (36.73)	8 (1.00)
<i>targf</i>	59585 (1.05)	105229 (7.26)	8 (1.00)	59585 (1.05)	105229 (7.26)	8 (1.00)
<i>ticcon</i>	59584 (1.00)	117 (6525.69)	8 (1.00)	59584 (1.00)	117 (6525.69)	8 (1.00)

continued on next page

Cuts	notargf seq	notargf single	notargf allbut	early seq	early single	early allbut
<i>dtgttp</i>	59584 (1.00)	653 (1169.23)	8 (1.00)	59584 (1.00)	653 (1169.23)	8 (1.00)
<i>rtdif</i>	58648 (1.02)	17941 (42.56)	8 (1.00)	58648 (1.02)	17941 (42.56)	8 (1.00)
<i>epimaxk</i>	57529 (1.02)	46984 (16.25)	8 (1.00)	57529 (1.02)	46984 (16.25)	8 (1.00)
<i>drp</i>	57136 (1.01)	13627 (56.03)	8 (1.00)	57136 (1.01)	13627 (56.03)	8 (1.00)
<i>phivtx1</i>	48421 (1.18)	168683 (4.53)	8 (1.00)	48421 (1.18)	168683 (4.53)	8 (1.00)
<i>ecccon</i>	47335 (1.02)	32211 (23.70)	8 (1.00)	47335 (1.02)	32211 (23.70)	8 (1.00)
<i>opsveto</i>	39658 (1.19)	233980 (3.26)	8 (1.00)	39658 (1.19)	233980 (3.26)	8 (1.00)
<i>kic</i>	34870 (1.14)	153781 (4.96)	8 (1.00)	34870 (1.14)	153781 (4.96)	8 (1.00)
<i>tggeo</i>	29031 (1.20)	319091 (2.39)	9 (1.12)	29031 (1.20)	319091 (2.39)	9 (1.12)
<i>tdedge</i>	28133 (1.03)	108151 (7.06)	9 (1.12)	28133 (1.03)	108151 (7.06)	9 (1.12)
<i>tgzfool</i>	28119 (1.00)	12333 (61.91)	8 (1.00)	28119 (1.00)	12333 (61.91)	8 (1.00)
<i>upvtrs</i>	25202 (1.12)	60718 (12.57)	8 (1.00)	25202 (1.12)	60718 (12.57)	8 (1.00)
<i>rvtrs</i>	25101 (1.00)	15533 (49.15)	8 (1.00)	25101 (1.00)	15533 (49.15)	8 (1.00)
<i>tgtcon</i>	22417 (1.12)	60727 (12.57)	8 (1.00)	22417 (1.12)	60727 (12.57)	8 (1.00)
<i>b4etcon</i>	21921 (1.02)	23606 (32.34)	8 (1.00)	21921 (1.02)	23606 (32.34)	8 (1.00)
<i>b4ekz</i>	7366 (2.98)	521719 (1.46)	9 (1.12)	7366 (2.98)	521719 (1.46)	9 (1.12)
<i>b4ekzic</i>	7366 (1.00)	78714 (9.70)	8 (1.00)	7366 (1.00)	78714 (9.70)	8 (1.00)
<i>b4tim</i>	4869 (1.51)	395143 (1.93)	8 (1.00)	4869 (1.51)	395143 (1.93)	8 (1.00)
<i>tgktim</i>	4869 (1.00)	0 (763506.00)	8 (1.00)	4869 (1.00)	0 (763506.00)	8 (1.00)
<i>tgenr</i>	4824 (1.01)	92823 (8.23)	8 (1.00)	4824 (1.01)	92823 (8.23)	8 (1.00)
<i>chi567</i>	3063 (1.57)	511542 (1.49)	11 (1.38)	3063 (1.57)	511542 (1.49)	11 (1.38)
<i>npitg</i>	3063 (1.00)	54567 (13.99)	8 (1.00)	3063 (1.00)	54567 (13.99)	8 (1.00)
<i>verrng</i>	2614 (1.17)	321757 (2.37)	9 (1.12)	2614 (1.17)	321757 (2.37)	9 (1.12)
<i>chi5max</i>	2526 (1.03)	225902 (3.38)	8 (1.00)	2526 (1.03)	225902 (3.38)	8 (1.00)
<i>angli</i>	2519 (1.00)	53576 (14.25)	8 (1.00)	2519 (1.00)	53576 (14.25)	8 (1.00)
<i>ALLKfit</i>	2069 (1.22)	291298 (2.62)	8 (1.00)	2069 (1.22)	291298 (2.62)	8 (1.00)
<i>tpics</i>	1884 (1.10)	98026 (7.79)	8 (1.00)	1884 (1.10)	98026 (7.79)	8 (1.00)
<i>epionk</i>	1854 (1.02)	21959 (34.77)	8 (1.00)	1854 (1.02)	21959 (34.77)	8 (1.00)
<i>ccdpu</i>	169 (10.97)	613958 (1.24)	80 (10.00)	169 (10.97)	613958 (1.24)	80 (10.00)
<i>timkf</i>	120 (1.41)	553685 (1.38)	19 (2.38)	120 (1.41)	553685 (1.38)	19 (2.38)
<i>DELIC(0.)</i>	38 (3.16)	219266 (3.48)	84 (10.50)	38 (3.16)	219266 (3.48)	84 (10.50)
<i>cpitrs</i>	38 (1.00)	318061 (2.40)	8 (1.00)	38 (1.00)	318061 (2.40)	8 (1.00)
<i>cpitail</i>	38 (1.00)	56586 (13.49)	8 (1.00)	38 (1.00)	56586 (13.49)	8 (1.00)
<i>b4dedx</i>	38 (1.00)	212707 (3.59)	8 (1.00)	38 (1.00)	212707 (3.59)	8 (1.00)
<i>PV · TD</i>	33 (1.15)	131266 (5.82)	8 (1.00)	33 (1.15)	131266 (5.82)	8 (1.00)
<i>cktrs</i>	15 (2.20)	267206 (2.86)	14 (1.75)	15 (2.20)	267206 (2.86)	14 (1.75)
<i>cktail</i>	8 (1.88)	170693 (4.47)	15 (1.88)	8 (1.88)	170693 (4.47)	15 (1.88)
Total Rej.		4.12			4.12	

Table 12: 1-Beam Normalization. Branch no. 4

Cuts	notargf seq	notargf single	notargf allbut	early seq	early single	early allbut
<i>BOX</i>	763506 (0.00)	0 (763506.00)	0 (0.00)	763506 (0.00)	0 (763506.00)	0 (0.00)
<i>rsdedxmax</i>	763506 (1.00)	0 (763506.00)	0 (0.00)	763506 (1.00)	0 (763506.00)	0 (0.00)
<i>rsdedxcl</i>	763506 (1.00)	0 (763506.00)	0 (0.00)	763506 (1.00)	0 (763506.00)	0 (0.00)
<i>rslike</i>	763506 (1.00)	0 (763506.00)	0 (0.00)	763506 (1.00)	0 (763506.00)	0 (0.00)
<i>rngmom</i>	540193 (1.41)	223313 (3.42)	0 (0.00)	540193 (1.41)	223313 (3.42)	0 (0.00)
<i>BOX</i>	540193 (1.00)	0 (763506.00)	0 (0.00)	540193 (1.00)	0 (763506.00)	0 (0.00)
<i>icodel14</i>	540193 (1.00)	4 (190877.00)	0 (0.00)	540193 (1.00)	4 (190877.00)	0 (0.00)
<i>cos3d</i>	491709 (1.10)	58256 (13.11)	0 (0.00)	491709 (1.10)	58256 (13.11)	0 (0.00)
<i>layv4</i>	491709 (1.00)	0 (763506.00)	0 (0.00)	491709 (1.00)	0 (763506.00)	0 (0.00)
<i>zfrf</i>	491386 (1.00)	828 (922.11)	0 (0.00)	491386 (1.00)	828 (922.11)	0 (0.00)
<i>zutout</i>	491085 (1.00)	592 (1289.71)	0 (0.00)	491085 (1.00)	592 (1289.71)	0 (0.00)
FIDUCIAL	491085 (1.00)	59345 (12.87)	0 (0.00)	491085 (1.00)	59345 (12.87)	0 (0.00)
<i>utcqual</i>	407397 (1.21)	153963 (4.96)	0 (0.00)	407397 (1.21)	153963 (4.96)	0 (0.00)
<i>rsdedxcl</i>	407397 (1.00)	0 (763506.00)	0 (0.00)	407397 (1.00)	0 (763506.00)	0 (0.00)
<i>rsdedxmax</i>	407397 (1.00)	0 (763506.00)	0 (0.00)	407397 (1.00)	0 (763506.00)	0 (0.00)
<i>rslike</i>	407397 (1.00)	0 (763506.00)	0 (0.00)	407397 (1.00)	0 (763506.00)	0 (0.00)
<i>tgktim</i>	407397 (1.00)	0 (763506.00)	0 (0.00)	407397 (1.00)	0 (763506.00)	0 (0.00)
<i>rngmom</i>	407397 (1.00)	223313 (3.42)	0 (0.00)	407397 (1.00)	223313 (3.42)	0 (0.00)
<i>prrf1</i>	396237 (1.03)	24547 (31.10)	0 (0.00)	396237 (1.03)	24547 (31.10)	0 (0.00)
<i>prrfz</i>	374122 (1.06)	51815 (14.74)	0 (0.00)	374122 (1.06)	51815 (14.74)	0 (0.00)
PRRF	374122 (1.00)	73789 (10.35)	0 (0.00)	374122 (1.00)	73789 (10.35)	0 (0.00)
<i>rtghi</i>	373591 (1.00)	2460 (310.37)	0 (0.00)	373591 (1.00)	2460 (310.37)	0 (0.00)
<i>etghi</i>	366275 (1.02)	18464 (41.35)	0 (0.00)	366275 (1.02)	18464 (41.35)	0 (0.00)
<i>tgdedx1</i>	285444 (1.28)	136457 (5.60)	0 (0.00)	285444 (1.28)	136457 (5.60)	0 (0.00)
<i>tgdedx2</i>	259441 (1.10)	63770 (11.97)	0 (0.00)	259441 (1.10)	63770 (11.97)	0 (0.00)
TGDEDX	259441 (1.00)	210833 (3.62)	0 (0.00)	259441 (1.00)	210833 (3.62)	0 (0.00)
<i>tglike1</i>	236057 (1.10)	108578 (7.03)	0 (0.00)	236057 (1.10)	108578 (7.03)	0 (0.00)
<i>tglike2</i>	222936 (1.06)	97907 (7.80)	0 (0.00)	222936 (1.06)	97907 (7.80)	0 (0.00)
TGLIKE	222936 (1.00)	147246 (5.19)	0 (0.00)	222936 (1.00)	147246 (5.19)	0 (0.00)
<i>tgdb4</i>	206294 (1.08)	60906 (12.54)	0 (0.00)	206294 (1.08)	60906 (12.54)	0 (0.00)
<i>tgdb4tip</i>	154290 (1.34)	208039 (3.67)	0 (0.00)	154290 (1.34)	208039 (3.67)	0 (0.00)
<i>tgdvxtip</i>	132660 (1.16)	125191 (6.10)	0 (0.00)	132660 (1.16)	125191 (6.10)	0 (0.00)
<i>tgdvxpi</i>	123497 (1.07)	86718 (8.80)	0 (0.00)	123497 (1.07)	86718 (8.80)	0 (0.00)
TGB4	123497 (1.00)	314260 (2.43)	0 (0.00)	123497 (1.00)	314260 (2.43)	0 (0.00)
<i>pigap</i>	116777 (1.06)	68694 (11.11)	0 (0.00)	116777 (1.06)	68694 (11.11)	0 (0.00)
KIN	116777 (1.00)	646729 (1.18)	0 (0.00)	116777 (1.00)	646729 (1.18)	0 (0.00)
<i>tgpv</i>	85384 (1.37)	229186 (3.33)	0 (0.00)	85384 (1.37)	229186 (3.33)	0 (0.00)
<i>bwtrs</i>	75772 (1.13)	176329 (4.33)	0 (0.00)	75772 (1.13)	176329 (4.33)	0 (0.00)
<i>b4trs</i>	68939 (1.10)	170529 (4.48)	0 (0.00)	68939 (1.10)	170529 (4.48)	0 (0.00)
<i>b4ccd</i>	68468 (1.01)	9165 (83.31)	0 (0.00)	68468 (1.01)	9165 (83.31)	0 (0.00)
<i>tgqualt</i>	62822 (1.09)	54567 (13.99)	0 (0.00)	62822 (1.09)	54567 (13.99)	0 (0.00)
<i>timcon</i>	62420 (1.01)	8971 (85.11)	0 (0.00)	62420 (1.01)	8971 (85.11)	0 (0.00)
<i>epitg</i>	62350 (1.00)	19737 (38.68)	0 (0.00)	62350 (1.00)	19737 (38.68)	0 (0.00)
<i>tger</i>	62325 (1.00)	20789 (36.73)	0 (0.00)	62325 (1.00)	20789 (36.73)	0 (0.00)
<i>targf</i>	59585 (1.05)	105229 (7.26)	0 (0.00)	59585 (1.05)	105229 (7.26)	0 (0.00)
<i>ticcon</i>	59584 (1.00)	117 (6525.69)	0 (0.00)	59584 (1.00)	117 (6525.69)	0 (0.00)

continued on next page

Cuts	notargf seq	notargf single	notargf allbut	early seq	early single	early allbut
<i>dtgttp</i>	59584 (1.00)	653 (1169.23)	0 (0.00)	59584 (1.00)	653 (1169.23)	0 (0.00)
<i>rtdif</i>	58648 (1.02)	17941 (42.56)	0 (0.00)	58648 (1.02)	17941 (42.56)	0 (0.00)
<i>epimaxk</i>	57529 (1.02)	46984 (16.25)	0 (0.00)	57529 (1.02)	46984 (16.25)	0 (0.00)
<i>drp</i>	57136 (1.01)	13627 (56.03)	0 (0.00)	57136 (1.01)	13627 (56.03)	0 (0.00)
<i>phivtx1</i>	48421 (1.18)	168683 (4.53)	0 (0.00)	48421 (1.18)	168683 (4.53)	0 (0.00)
<i>iccon</i>	47335 (1.02)	32211 (23.70)	0 (0.00)	47335 (1.02)	32211 (23.70)	0 (0.00)
<i>opsveto</i>	39658 (1.19)	233980 (3.26)	0 (0.00)	39658 (1.19)	233980 (3.26)	0 (0.00)
<i>kic</i>	34870 (1.14)	153781 (4.96)	0 (0.00)	34870 (1.14)	153781 (4.96)	0 (0.00)
<i>tggeo</i>	29031 (1.20)	319091 (2.39)	1 (1.00)	29031 (1.20)	319091 (2.39)	1 (1.00)
<i>tdedge</i>	28133 (1.03)	108151 (7.06)	0 (0.00)	28133 (1.03)	108151 (7.06)	0 (0.00)
<i>tgzfool</i>	28119 (1.00)	12333 (61.91)	0 (0.00)	28119 (1.00)	12333 (61.91)	0 (0.00)
<i>upvtrs</i>	25202 (1.12)	60718 (12.57)	0 (0.00)	25202 (1.12)	60718 (12.57)	0 (0.00)
<i>rvtrs</i>	25101 (1.00)	15533 (49.15)	0 (0.00)	25101 (1.00)	15533 (49.15)	0 (0.00)
<i>tgtcon</i>	22417 (1.12)	60727 (12.57)	0 (0.00)	22417 (1.12)	60727 (12.57)	0 (0.00)
<i>b4etcon</i>	21921 (1.02)	23606 (32.34)	0 (0.00)	21921 (1.02)	23606 (32.34)	0 (0.00)
<i>b4ekz</i>	7366 (2.98)	521719 (1.46)	0 (0.00)	7366 (2.98)	521719 (1.46)	0 (0.00)
<i>b4ekzic</i>	7366 (1.00)	78714 (9.70)	0 (0.00)	7366 (1.00)	78714 (9.70)	0 (0.00)
<i>b4tim</i>	4869 (1.51)	395143 (1.93)	1 (1.00)	4869 (1.51)	395143 (1.93)	1 (1.00)
<i>tgktim</i>	4869 (1.00)	0 (763506.00)	0 (0.00)	4869 (1.00)	0 (763506.00)	0 (0.00)
<i>tgenr</i>	4824 (1.01)	92823 (8.23)	0 (0.00)	4824 (1.01)	92823 (8.23)	0 (0.00)
<i>chi567</i>	3063 (1.57)	511542 (1.49)	0 (0.00)	3063 (1.57)	511542 (1.49)	0 (0.00)
<i>npitg</i>	3063 (1.00)	54567 (13.99)	0 (0.00)	3063 (1.00)	54567 (13.99)	0 (0.00)
<i>verrng</i>	2614 (1.17)	321757 (2.37)	0 (0.00)	2614 (1.17)	321757 (2.37)	0 (0.00)
<i>chi5max</i>	2526 (1.03)	225902 (3.38)	0 (0.00)	2526 (1.03)	225902 (3.38)	0 (0.00)
<i>angli</i>	2519 (1.00)	53576 (14.25)	0 (0.00)	2519 (1.00)	53576 (14.25)	0 (0.00)
<i>ALLKfit</i>	2069 (1.22)	291298 (2.62)	0 (0.00)	2069 (1.22)	291298 (2.62)	0 (0.00)
<i>tpics</i>	1884 (1.10)	98026 (7.79)	0 (0.00)	1884 (1.10)	98026 (7.79)	0 (0.00)
<i>epionk</i>	1854 (1.02)	21959 (34.77)	0 (0.00)	1854 (1.02)	21959 (34.77)	0 (0.00)
<i>ccdpu</i>	169 (10.97)	613958 (1.24)	1 (1.00)	169 (10.97)	613958 (1.24)	1 (1.00)
<i>timkf</i>	120 (1.41)	553685 (1.38)	3 (3.00)	120 (1.41)	553685 (1.38)	3 (3.00)
<i>DEL(0.)</i>	38 (3.16)	219266 (3.48)	0 (0.00)	38 (3.16)	219266 (3.48)	0 (0.00)
<i>cktrs</i>	15 (2.53)	267206 (2.86)	0 (0.00)	15 (2.53)	267206 (2.86)	0 (0.00)
<i>cktail</i>	8 (1.88)	170693 (4.47)	0 (0.00)	8 (1.88)	170693 (4.47)	0 (0.00)
<i>pv(nottg)</i>	0 (8.00)	327438 (2.33)	0 (0.00)	0 (8.00)	327438 (2.33)	0 (0.00)
<i>pi_flg</i>	0 (0.00)	25958 (29.41)	0 (0.00)	0 (0.00)	25958 (29.41)	0 (0.00)
<i>ev502</i>	0 (0.00)	218072 (3.50)	0 (0.00)	0 (0.00)	218072 (3.50)	0 (0.00)
<i>elveto</i>	0 (0.00)	184712 (4.13)	0 (0.00)	0 (0.00)	184712 (4.13)	0 (0.00)
<i>tdfool</i>	0 (0.00)	134180 (5.69)	0 (0.00)	0 (0.00)	134180 (5.69)	0 (0.00)
<i>tdvarnn02</i>	0 (0.00)	283368 (2.69)	0 (0.00)	0 (0.00)	283368 (2.69)	0 (0.00)
TD	0 (0.00)	433258 (1.76)	0 (0.00)	0 (0.00)	433258 (1.76)	0 (0.00)
<i>cpitrs · cpitail</i>	0 (0.00)	444723 (1.72)	0 (0.00)	0 (0.00)	444723 (1.72)	0 (0.00)
<i>b4dedx</i>	0 (0.00)	212707 (3.59)	0 (0.00)	0 (0.00)	212707 (3.59)	0 (0.00)
Total Rej.		0.00		0.00		

Table 13: 1-Beam Normalization. Branch no. 5

Cuts	notargf seq	notargf single	notargf allbut	early seq	early single	early allbut
<i>BOX</i>	763506 (0.00)	0 (763506.00)	0 (0.00)	763506 (0.00)	0 (763506.00)	0 (0.00)
<i>rsdedxmax</i>	763506 (1.00)	0 (763506.00)	0 (0.00)	763506 (1.00)	0 (763506.00)	0 (0.00)
<i>rsdedxcl</i>	763506 (1.00)	0 (763506.00)	0 (0.00)	763506 (1.00)	0 (763506.00)	0 (0.00)
<i>rslike</i>	763506 (1.00)	0 (763506.00)	0 (0.00)	763506 (1.00)	0 (763506.00)	0 (0.00)
<i>rngmom</i>	540193 (1.41)	223313 (3.42)	0 (0.00)	540193 (1.41)	223313 (3.42)	0 (0.00)
<i>BOX</i>	540193 (1.00)	0 (763506.00)	0 (0.00)	540193 (1.00)	0 (763506.00)	0 (0.00)
<i>icodel14</i>	540193 (1.00)	4 (190877.00)	0 (0.00)	540193 (1.00)	4 (190877.00)	0 (0.00)
<i>cos3d</i>	491709 (1.10)	58256 (13.11)	0 (0.00)	491709 (1.10)	58256 (13.11)	0 (0.00)
<i>layv4</i>	491709 (1.00)	0 (763506.00)	0 (0.00)	491709 (1.00)	0 (763506.00)	0 (0.00)
<i>zfrf</i>	491386 (1.00)	828 (922.11)	0 (0.00)	491386 (1.00)	828 (922.11)	0 (0.00)
<i>zutout</i>	491085 (1.00)	592 (1289.71)	0 (0.00)	491085 (1.00)	592 (1289.71)	0 (0.00)
FIDUCIAL	491085 (1.00)	59345 (12.87)	0 (0.00)	491085 (1.00)	59345 (12.87)	0 (0.00)
<i>utcqual</i>	407397 (1.21)	153963 (4.96)	0 (0.00)	407397 (1.21)	153963 (4.96)	0 (0.00)
<i>rsdedxcl</i>	407397 (1.00)	0 (763506.00)	0 (0.00)	407397 (1.00)	0 (763506.00)	0 (0.00)
<i>rsdedxmax</i>	407397 (1.00)	0 (763506.00)	0 (0.00)	407397 (1.00)	0 (763506.00)	0 (0.00)
<i>rslike</i>	407397 (1.00)	0 (763506.00)	0 (0.00)	407397 (1.00)	0 (763506.00)	0 (0.00)
<i>tgktim</i>	407397 (1.00)	0 (763506.00)	0 (0.00)	407397 (1.00)	0 (763506.00)	0 (0.00)
<i>rngmom</i>	407397 (1.00)	223313 (3.42)	0 (0.00)	407397 (1.00)	223313 (3.42)	0 (0.00)
<i>prrf1</i>	396237 (1.03)	24547 (31.10)	0 (0.00)	396237 (1.03)	24547 (31.10)	0 (0.00)
<i>prrfz</i>	374122 (1.06)	51815 (14.74)	0 (0.00)	374122 (1.06)	51815 (14.74)	0 (0.00)
PRRF	374122 (1.00)	73789 (10.35)	0 (0.00)	374122 (1.00)	73789 (10.35)	0 (0.00)
<i>rtghi</i>	373591 (1.00)	2460 (310.37)	0 (0.00)	373591 (1.00)	2460 (310.37)	0 (0.00)
<i>etghi</i>	366275 (1.02)	18464 (41.35)	0 (0.00)	366275 (1.02)	18464 (41.35)	0 (0.00)
<i>tgdedx1</i>	285444 (1.28)	136457 (5.60)	0 (0.00)	285444 (1.28)	136457 (5.60)	0 (0.00)
<i>tgdedx2</i>	259441 (1.10)	63770 (11.97)	0 (0.00)	259441 (1.10)	63770 (11.97)	0 (0.00)
tgdedx	259441 (1.00)	210833 (3.62)	0 (0.00)	259441 (1.00)	210833 (3.62)	0 (0.00)
<i>tglike1</i>	236057 (1.10)	108578 (7.03)	0 (0.00)	236057 (1.10)	108578 (7.03)	0 (0.00)
<i>tglike2</i>	222936 (1.06)	97907 (7.80)	0 (0.00)	222936 (1.06)	97907 (7.80)	0 (0.00)
TGLIKE	222936 (1.00)	147246 (5.19)	0 (0.00)	222936 (1.00)	147246 (5.19)	0 (0.00)
<i>tgdb4</i>	206294 (1.08)	60906 (12.54)	0 (0.00)	206294 (1.08)	60906 (12.54)	0 (0.00)
<i>tgdb4tip</i>	154290 (1.34)	208039 (3.67)	0 (0.00)	154290 (1.34)	208039 (3.67)	0 (0.00)
<i>tgdvxtip</i>	132660 (1.16)	125191 (6.10)	0 (0.00)	132660 (1.16)	125191 (6.10)	0 (0.00)
<i>tgdvxpi</i>	123497 (1.07)	86718 (8.80)	0 (0.00)	123497 (1.07)	86718 (8.80)	0 (0.00)
TGB4	123497 (1.00)	314260 (2.43)	0 (0.00)	123497 (1.00)	314260 (2.43)	0 (0.00)
<i>pigap</i>	116777 (1.06)	68694 (11.11)	0 (0.00)	116777 (1.06)	68694 (11.11)	0 (0.00)
KIN	116777 (1.00)	646729 (1.18)	0 (0.00)	116777 (1.00)	646729 (1.18)	0 (0.00)
<i>tgpv</i>	85384 (1.37)	229186 (3.33)	0 (0.00)	85384 (1.37)	229186 (3.33)	0 (0.00)
<i>bwtrs</i>	75772 (1.13)	176329 (4.33)	0 (0.00)	75772 (1.13)	176329 (4.33)	0 (0.00)
<i>b4trs</i>	68939 (1.10)	170529 (4.48)	0 (0.00)	68939 (1.10)	170529 (4.48)	0 (0.00)
<i>b4ccd</i>	68468 (1.01)	9165 (83.31)	0 (0.00)	68468 (1.01)	9165 (83.31)	0 (0.00)
<i>tgqualt</i>	62822 (1.09)	54567 (13.99)	0 (0.00)	62822 (1.09)	54567 (13.99)	0 (0.00)
<i>timcon</i>	62420 (1.01)	8971 (85.11)	0 (0.00)	62420 (1.01)	8971 (85.11)	0 (0.00)
<i>epitg</i>	62350 (1.00)	19737 (38.68)	0 (0.00)	62350 (1.00)	19737 (38.68)	0 (0.00)
<i>tger</i>	62325 (1.00)	20789 (36.73)	0 (0.00)	62325 (1.00)	20789 (36.73)	0 (0.00)
<i>targf</i>	59585 (1.05)	105229 (7.26)	0 (0.00)	59585 (1.05)	105229 (7.26)	0 (0.00)
<i>ticcon</i>	59584 (1.00)	117 (6525.69)	0 (0.00)	59584 (1.00)	117 (6525.69)	0 (0.00)

continued on next page

Cuts	notargf seq	notargf single	notargf allbut	early seq	early single	early allbut
<i>dtgttp</i>	59584 (1.00)	653 (1169.23)	0 (0.00)	59584 (1.00)	653 (1169.23)	0 (0.00)
<i>rtdif</i>	58648 (1.02)	17941 (42.56)	0 (0.00)	58648 (1.02)	17941 (42.56)	0 (0.00)
<i>epimaxk</i>	57529 (1.02)	46984 (16.25)	0 (0.00)	57529 (1.02)	46984 (16.25)	0 (0.00)
<i>drp</i>	57136 (1.01)	13627 (56.03)	0 (0.00)	57136 (1.01)	13627 (56.03)	0 (0.00)
<i>phivtx1</i>	48421 (1.18)	168683 (4.53)	0 (0.00)	48421 (1.18)	168683 (4.53)	0 (0.00)
<i>ecccon</i>	47335 (1.02)	32211 (23.70)	0 (0.00)	47335 (1.02)	32211 (23.70)	0 (0.00)
<i>opsveto</i>	39658 (1.19)	233980 (3.26)	0 (0.00)	39658 (1.19)	233980 (3.26)	0 (0.00)
<i>kic</i>	34870 (1.14)	153781 (4.96)	0 (0.00)	34870 (1.14)	153781 (4.96)	0 (0.00)
<i>tggeo</i>	29031 (1.20)	319091 (2.39)	0 (0.00)	29031 (1.20)	319091 (2.39)	0 (0.00)
<i>tdedge</i>	28133 (1.03)	108151 (7.06)	0 (0.00)	28133 (1.03)	108151 (7.06)	0 (0.00)
<i>tgzfool</i>	28119 (1.00)	12333 (61.91)	0 (0.00)	28119 (1.00)	12333 (61.91)	0 (0.00)
<i>upvtrs</i>	25202 (1.12)	60718 (12.57)	0 (0.00)	25202 (1.12)	60718 (12.57)	0 (0.00)
<i>rvtrs</i>	25101 (1.00)	15533 (49.15)	0 (0.00)	25101 (1.00)	15533 (49.15)	0 (0.00)
<i>tgtcon</i>	22417 (1.12)	60727 (12.57)	0 (0.00)	22417 (1.12)	60727 (12.57)	0 (0.00)
<i>b4etcon</i>	21921 (1.02)	23606 (32.34)	0 (0.00)	21921 (1.02)	23606 (32.34)	0 (0.00)
<i>b4ekz</i>	7366 (2.98)	521719 (1.46)	0 (0.00)	7366 (2.98)	521719 (1.46)	0 (0.00)
<i>b4ekzic</i>	7366 (1.00)	78714 (9.70)	0 (0.00)	7366 (1.00)	78714 (9.70)	0 (0.00)
<i>b4tim</i>	4869 (1.51)	395143 (1.93)	0 (0.00)	4869 (1.51)	395143 (1.93)	0 (0.00)
<i>tgktim</i>	4869 (1.00)	0 (763506.00)	0 (0.00)	4869 (1.00)	0 (763506.00)	0 (0.00)
<i>tgenr</i>	4824 (1.01)	92823 (8.23)	0 (0.00)	4824 (1.01)	92823 (8.23)	0 (0.00)
<i>chi567</i>	3063 (1.57)	511542 (1.49)	0 (0.00)	3063 (1.57)	511542 (1.49)	0 (0.00)
<i>npitg</i>	3063 (1.00)	54567 (13.99)	0 (0.00)	3063 (1.00)	54567 (13.99)	0 (0.00)
<i>verrng</i>	2614 (1.17)	321757 (2.37)	0 (0.00)	2614 (1.17)	321757 (2.37)	0 (0.00)
<i>chi5max</i>	2526 (1.03)	225902 (3.38)	0 (0.00)	2526 (1.03)	225902 (3.38)	0 (0.00)
<i>angli</i>	2519 (1.00)	53576 (14.25)	0 (0.00)	2519 (1.00)	53576 (14.25)	0 (0.00)
<i>ALLKfit</i>	2069 (1.22)	291298 (2.62)	0 (0.00)	2069 (1.22)	291298 (2.62)	0 (0.00)
<i>tpics</i>	1884 (1.10)	98026 (7.79)	0 (0.00)	1884 (1.10)	98026 (7.79)	0 (0.00)
<i>epionk</i>	1854 (1.02)	21959 (34.77)	0 (0.00)	1854 (1.02)	21959 (34.77)	0 (0.00)
<i>ccdpu</i>	169 (10.97)	613958 (1.24)	0 (0.00)	169 (10.97)	613958 (1.24)	0 (0.00)
<i>timkf</i>	120 (1.41)	553685 (1.38)	0 (0.00)	120 (1.41)	553685 (1.38)	0 (0.00)
<i>DEL(0.)</i>	38 (3.16)	219266 (3.48)	0 (0.00)	38 (3.16)	219266 (3.48)	0 (0.00)
<i>cktrs</i>	15 (2.53)	267206 (2.86)	0 (0.00)	15 (2.53)	267206 (2.86)	0 (0.00)
<i>cktail</i>	8 (1.88)	170693 (4.47)	0 (0.00)	8 (1.88)	170693 (4.47)	0 (0.00)
<i>pv(nottg)</i>	0 (8.00)	327438 (2.33)	0 (0.00)	0 (8.00)	327438 (2.33)	0 (0.00)
<i>pi_flg</i>	0 (0.00)	25958 (29.41)	0 (0.00)	0 (0.00)	25958 (29.41)	0 (0.00)
<i>ev502</i>	0 (0.00)	218072 (3.50)	0 (0.00)	0 (0.00)	218072 (3.50)	0 (0.00)
<i>elveto</i>	0 (0.00)	184712 (4.13)	0 (0.00)	0 (0.00)	184712 (4.13)	0 (0.00)
<i>tdfool</i>	0 (0.00)	134180 (5.69)	0 (0.00)	0 (0.00)	134180 (5.69)	0 (0.00)
<i>tdvarnn02</i>	0 (0.00)	283368 (2.69)	0 (0.00)	0 (0.00)	283368 (2.69)	0 (0.00)
TD	0 (0.00)	433258 (1.76)	0 (0.00)	0 (0.00)	433258 (1.76)	0 (0.00)
<i>b4dedx</i>	0 (0.00)	550799 (1.39)	0 (0.00)	0 (0.00)	550799 (1.39)	0 (0.00)
<i>cpitrs</i>	0 (0.00)	318061 (2.40)	0 (0.00)	0 (0.00)	318061 (2.40)	0 (0.00)
<i>cpitail</i>	0 (0.00)	56586 (13.49)	0 (0.00)	0 (0.00)	56586 (13.49)	0 (0.00)
Total Rej.	0.00			0.00		

Table 14: 2-Beam Rejection. Branch no. 1

Cuts	notargf seq	notargf single	notargf allbut	early seq	early single	early
<i>BOX</i>	763506 (0.00)	0 (763506.00)	266 (1.00)	763506 (0.00)	0 (763506.00)	99
<i>rsdedxmax</i>	763506 (1.00)	0 (763506.00)	266 (1.00)	763506 (1.00)	0 (763506.00)	99
<i>rsdedxcl</i>	763506 (1.00)	0 (763506.00)	266 (1.00)	763506 (1.00)	0 (763506.00)	99
<i>rslike</i>	763506 (1.00)	0 (763506.00)	266 (1.00)	763506 (1.00)	0 (763506.00)	99
<i>rngmom</i>	540193 (1.41)	223313 (3.42)	276 (1.04)	540193 (1.41)	223313 (3.42)	107
<i>pv(nottg)</i>	287589 (1.88)	327438 (2.33)	1925 (7.24)	287589 (1.88)	327438 (2.33)	538
<i>pi_flg</i>	286486 (1.00)	25958 (29.41)	266 (1.00)	286486 (1.00)	25958 (29.41)	99
<i>ev502</i>	227219 (1.26)	218072 (3.50)	266 (1.00)	227219 (1.26)	218072 (3.50)	99
<i>elveto</i>	207558 (1.09)	184712 (4.13)	266 (1.00)	207558 (1.09)	184712 (4.13)	99
<i>tdfool</i>	207057 (1.00)	134180 (5.69)	266 (1.00)	207057 (1.00)	134180 (5.69)	99
<i>tdvarnn02</i>	169436 (1.22)	283368 (2.69)	266 (1.00)	169436 (1.22)	283368 (2.69)	99
TD	169436 (1.00)	433258 (1.76)	266 (1.00)	169436 (1.00)	433258 (1.76)	99
<i>b4dedx</i>	89159 (1.90)	212707 (3.59)	282 (1.06)	89159 (1.90)	212707 (3.59)	107
<i>tgqualt</i>	81621 (1.09)	54567 (13.99)	285 (1.07)	81621 (1.09)	54567 (13.99)	99
<i>timcon</i>	80724 (1.01)	8971 (85.11)	269 (1.01)	80724 (1.01)	8971 (85.11)	96
<i>DELC(0.)</i>	21753 (3.71)	544240 (1.40)	395 (1.48)	21753 (3.71)	544240 (1.40)	118
<i>tger</i>	20280 (1.07)	20789 (36.73)	289 (1.09)	20280 (1.07)	20789 (36.73)	100
<i>tgzfool</i>	20044 (1.01)	12333 (61.91)	270 (1.02)	20044 (1.01)	12333 (61.91)	97
<i>upvtrs</i>	17820 (1.12)	60718 (12.57)	278 (1.05)	17820 (1.12)	60718 (12.57)	103
<i>rvtrs</i>	17464 (1.02)	15533 (49.15)	281 (1.06)	17464 (1.02)	15533 (49.15)	102
<i>b4etcon</i>	17056 (1.02)	23606 (32.34)	273 (1.03)	17056 (1.02)	23606 (32.34)	98
<i>b4trs · b4ccd</i>	13944 (1.22)	587864 (1.30)	1137 (4.27)	7964 (2.14)	713786 (1.07)	1137
<i>cpitrs</i>	3789 (3.68)	318061 (2.40)	3455 (12.99)	2304 (3.46)	318061 (2.40)	1919
<i>cpitail</i>	3779 (1.00)	56586 (13.49)	269 (1.01)	2298 (1.00)	56586 (13.49)	97
$1.1 < b4ars_atc < 5.0$	2732 (1.38)	404250 (1.89)	522 (1.96)	1724 (1.33)	404250 (1.89)	188
<i>cktrs</i>	314 (8.70)	267206 (2.86)	1118 (4.20)	128 (13.47)	267206 (2.86)	663
<i>cktail</i>	266 (1.18)	170693 (4.47)	314 (1.18)	95 (1.35)	170693 (4.47)	128
Total Rej.		10.27		18.15		

Table 15: 2-Beam Rejection. Branch no. 2

Cuts	notargf seq	notargf single	notargf allbut	early seq	early single	early allbu
<i>BOX</i>	763506 (0.00)	0 (763506.00)	155 (1.00)	763506 (0.00)	0 (763506.00)	33 (1.00)
<i>rsdedxmax</i>	763506 (1.00)	0 (763506.00)	155 (1.00)	763506 (1.00)	0 (763506.00)	33 (1.00)
<i>rsdedxcl</i>	763506 (1.00)	0 (763506.00)	155 (1.00)	763506 (1.00)	0 (763506.00)	33 (1.00)
<i>rslike</i>	763506 (1.00)	0 (763506.00)	155 (1.00)	763506 (1.00)	0 (763506.00)	33 (1.00)
<i>rngmom</i>	540193 (1.41)	223313 (3.42)	159 (1.03)	540193 (1.41)	223313 (3.42)	34 (1.03)
<i>pv(nottg)</i>	287589 (1.88)	327438 (2.33)	1700 (10.97)	287589 (1.88)	327438 (2.33)	344 (10.42)
<i>pi_flg</i>	286486 (1.00)	25958 (29.41)	155 (1.00)	286486 (1.00)	25958 (29.41)	33 (1.00)
<i>ev502</i>	227219 (1.26)	218072 (3.50)	155 (1.00)	227219 (1.26)	218072 (3.50)	33 (1.00)
<i>elveto</i>	207558 (1.09)	184712 (4.13)	155 (1.00)	207558 (1.09)	184712 (4.13)	33 (1.00)
<i>tdfool</i>	207057 (1.00)	134180 (5.69)	155 (1.00)	207057 (1.00)	134180 (5.69)	33 (1.00)
<i>tdvarnn02</i>	169436 (1.22)	283368 (2.69)	155 (1.00)	169436 (1.22)	283368 (2.69)	33 (1.00)
TD	169436 (1.00)	433258 (1.76)	155 (1.00)	169436 (1.00)	433258 (1.76)	33 (1.00)
<i>b4dedx</i>	89159 (1.90)	212707 (3.59)	158 (1.02)	89159 (1.90)	212707 (3.59)	35 (1.00)
<i>tgqualt</i>	81621 (1.09)	54567 (13.99)	164 (1.06)	81621 (1.09)	54567 (13.99)	33 (1.00)
<i>timcon</i>	80724 (1.01)	8971 (85.11)	156 (1.01)	80724 (1.01)	8971 (85.11)	33 (1.00)
<i>DELC(0.)</i>	21753 (3.71)	544240 (1.40)	252 (1.63)	21753 (3.71)	544240 (1.40)	38 (1.15)
<i>tger</i>	20280 (1.07)	20789 (36.73)	156 (1.01)	20280 (1.07)	20789 (36.73)	34 (1.03)
<i>tgzfool</i>	20044 (1.01)	12333 (61.91)	157 (1.01)	20044 (1.01)	12333 (61.91)	34 (1.03)
<i>upvtrs</i>	17820 (1.12)	60718 (12.57)	161 (1.04)	17820 (1.12)	60718 (12.57)	35 (1.00)
<i>rvtrs</i>	17464 (1.02)	15533 (49.15)	161 (1.04)	17464 (1.02)	15533 (49.15)	35 (1.00)
<i>b4etcon</i>	17056 (1.02)	23606 (32.34)	156 (1.01)	17056 (1.02)	23606 (32.34)	33 (1.00)
<i>b4trs · b4ccd</i>	13944 (1.22)	587864 (1.30)	1521 (9.81)	7964 (2.14)	713786 (1.07)	1521 (46.09)
<i>cktrs</i>	10592 (1.32)	267206 (2.86)	164 (1.06)	5808 (1.37)	267206 (2.86)	38 (1.15)
<i>cktail</i>	10463 (1.01)	170693 (4.47)	158 (1.02)	5733 (1.01)	170693 (4.47)	36 (1.09)
<i>b4ars_atc < 1.1</i>	6047 (1.73)	365300 (2.09)	343 (2.21)	3260 (1.76)	365300 (2.09)	94 (2.85)
<i>bwtrs</i>	291 (20.78)	176329 (4.33)	246 (1.59)	91 (35.82)	176329 (4.33)	83 (2.52)
<i>cpitrs</i>	156 (1.87)	318061 (2.40)	256 (1.65)	33 (2.76)	318061 (2.40)	78 (2.36)
<i>cpitail</i>	155 (1.01)	56586 (13.49)	156 (1.01)	33 (1.00)	56586 (13.49)	33 (1.00)
Total Rej.	39.01			98.79		

Table 16: 2-Beam Normalization. Branch no. 1

Cuts	notargf seq	notargf single	notargf allbut	early seq	early single	early allbut
<i>BOX</i>	763506 (0.00)	0 (763506.00)	0 (0.00)	763506 (0.00)	0 (763506.00)	0 (0.00)
<i>rsdedxmax</i>	763506 (1.00)	0 (763506.00)	0 (0.00)	763506 (1.00)	0 (763506.00)	0 (0.00)
<i>rsdedxcl</i>	763506 (1.00)	0 (763506.00)	0 (0.00)	763506 (1.00)	0 (763506.00)	0 (0.00)
<i>rslike</i>	763506 (1.00)	0 (763506.00)	0 (0.00)	763506 (1.00)	0 (763506.00)	0 (0.00)
<i>pv(nottg)</i>	436068 (1.75)	327438 (2.33)	2 (2.00)	436068 (1.75)	327438 (2.33)	2 (2.00)
<i>tgqualt</i>	407068 (1.07)	54567 (13.99)	0 (0.00)	407068 (1.07)	54567 (13.99)	0 (0.00)
<i>timcon</i>	403347 (1.01)	8971 (85.11)	0 (0.00)	403347 (1.01)	8971 (85.11)	0 (0.00)
<i>epitg</i>	395836 (1.02)	19737 (38.68)	0 (0.00)	395836 (1.02)	19737 (38.68)	0 (0.00)
<i>tger</i>	388695 (1.02)	20789 (36.73)	0 (0.00)	388695 (1.02)	20789 (36.73)	0 (0.00)
<i>ticcon</i>	388684 (1.00)	117 (6525.69)	0 (0.00)	388684 (1.00)	117 (6525.69)	0 (0.00)
<i>dtgttp</i>	388631 (1.00)	653 (1169.23)	0 (0.00)	388631 (1.00)	653 (1169.23)	0 (0.00)
<i>rtdif</i>	378396 (1.03)	17941 (42.56)	0 (0.00)	378396 (1.03)	17941 (42.56)	0 (0.00)
<i>drp</i>	371789 (1.02)	13627 (56.03)	0 (0.00)	371789 (1.02)	13627 (56.03)	0 (0.00)
<i>eiicon</i>	362833 (1.02)	32211 (23.70)	0 (0.00)	362833 (1.02)	32211 (23.70)	0 (0.00)
<i>kic</i>	318259 (1.14)	153781 (4.96)	0 (0.00)	318259 (1.14)	153781 (4.96)	0 (0.00)
<i>tggeo</i>	269900 (1.18)	319091 (2.39)	0 (0.00)	269900 (1.18)	319091 (2.39)	0 (0.00)
<i>tgz fool</i>	268092 (1.01)	12333 (61.91)	0 (0.00)	268092 (1.01)	12333 (61.91)	0 (0.00)
<i>upvtrs</i>	244026 (1.10)	60718 (12.57)	0 (0.00)	244026 (1.10)	60718 (12.57)	0 (0.00)
<i>rvtrs</i>	241998 (1.01)	15533 (49.15)	0 (0.00)	241998 (1.01)	15533 (49.15)	0 (0.00)
<i>tgcon</i>	229201 (1.06)	60727 (12.57)	0 (0.00)	229201 (1.06)	60727 (12.57)	0 (0.00)
<i>b4etcon</i>	222642 (1.03)	23606 (32.34)	0 (0.00)	222642 (1.03)	23606 (32.34)	0 (0.00)
<i>b4tim</i>	80921 (2.75)	395143 (1.93)	0 (0.00)	80921 (2.75)	395143 (1.93)	0 (0.00)
<i>tgktim</i>	80921 (1.00)	0 (763506.00)	0 (0.00)	80921 (1.00)	0 (763506.00)	0 (0.00)
<i>tgenr</i>	78888 (1.03)	92823 (8.23)	0 (0.00)	78888 (1.03)	92823 (8.23)	0 (0.00)
<i>chi567</i>	27978 (2.82)	511542 (1.49)	0 (0.00)	27978 (2.82)	511542 (1.49)	0 (0.00)
<i>npitg</i>	27978 (1.00)	54567 (13.99)	0 (0.00)	27978 (1.00)	54567 (13.99)	0 (0.00)
<i>verrng</i>	20194 (1.39)	321757 (2.37)	0 (0.00)	20194 (1.39)	321757 (2.37)	0 (0.00)
<i>chi5max</i>	19326 (1.04)	225902 (3.38)	0 (0.00)	19326 (1.04)	225902 (3.38)	0 (0.00)
<i>angli</i>	19258 (1.00)	53576 (14.25)	0 (0.00)	19258 (1.00)	53576 (14.25)	0 (0.00)
<i>ALLK fit</i>	12212 (1.58)	291298 (2.62)	0 (0.00)	12212 (1.58)	291298 (2.62)	0 (0.00)
<i>tpics</i>	10691 (1.14)	98026 (7.79)	0 (0.00)	10691 (1.14)	98026 (7.79)	0 (0.00)
<i>epionk</i>	10360 (1.03)	21959 (34.77)	0 (0.00)	10360 (1.03)	21959 (34.77)	0 (0.00)
<i>ccd pul</i>	2611 (3.97)	613958 (1.24)	2 (2.00)	2611 (3.97)	613958 (1.24)	2 (2.00)
<i>timkf</i>	1792 (1.46)	553685 (1.38)	0 (0.00)	1792 (1.46)	553685 (1.38)	0 (0.00)
<i>DELC(0.)</i>	494 (3.63)	544240 (1.40)	21 (21.00)	494 (3.63)	544240 (1.40)	21 (21.00)
<i>b4dedx</i>	491 (1.01)	212707 (3.59)	0 (0.00)	491 (1.01)	212707 (3.59)	0 (0.00)
<i>cpitrs</i>	462 (1.06)	318061 (2.40)	0 (0.00)	462 (1.06)	318061 (2.40)	0 (0.00)
<i>cpitail</i>	462 (1.00)	56586 (13.49)	0 (0.00)	462 (1.00)	56586 (13.49)	0 (0.00)
<i>BOX</i>	462 (1.00)	0 (763506.00)	0 (0.00)	462 (1.00)	0 (763506.00)	0 (0.00)
<i>icodel14</i>	462 (1.00)	4 (190877.00)	0 (0.00)	462 (1.00)	4 (190877.00)	0 (0.00)
<i>cos3d</i>	451 (1.02)	58256 (13.11)	0 (0.00)	451 (1.02)	58256 (13.11)	0 (0.00)
<i>layv4</i>	451 (1.00)	0 (763506.00)	0 (0.00)	451 (1.00)	0 (763506.00)	0 (0.00)
<i>zfrf</i>	449 (1.00)	828 (922.11)	0 (0.00)	449 (1.00)	828 (922.11)	0 (0.00)
<i>zutout</i>	449 (1.00)	592 (1289.71)	0 (0.00)	449 (1.00)	592 (1289.71)	0 (0.00)
FIDUCIAL	449 (1.00)	59345 (12.87)	0 (0.00)	449 (1.00)	59345 (12.87)	0 (0.00)
<i>utqual</i>	358 (1.25)	153963 (4.96)	0 (0.00)	358 (1.25)	153963 (4.96)	0 (0.00)

continued on next page

Cuts	notargf seq	notargf single	notargf allbut	early seq	early single	early allbut
<i>rsdedxcl</i>	358 (1.00)	0 (763506.00)	0 (0.00)	358 (1.00)	0 (763506.00)	0 (0.00)
<i>rsdedxmax</i>	358 (1.00)	0 (763506.00)	0 (0.00)	358 (1.00)	0 (763506.00)	0 (0.00)
<i>rslike</i>	358 (1.00)	0 (763506.00)	0 (0.00)	358 (1.00)	0 (763506.00)	0 (0.00)
<i>tgktim</i>	358 (1.00)	0 (763506.00)	0 (0.00)	358 (1.00)	0 (763506.00)	0 (0.00)
<i>rngmom</i>	8 (44.75)	223313 (3.42)	0 (0.00)	8 (44.75)	223313 (3.42)	0 (0.00)
<i>prrf1</i>	8 (1.00)	24547 (31.10)	0 (0.00)	8 (1.00)	24547 (31.10)	0 (0.00)
<i>prrfz</i>	7 (1.14)	51815 (14.74)	0 (0.00)	7 (1.14)	51815 (14.74)	0 (0.00)
PRRF	7 (1.00)	73789 (10.35)	0 (0.00)	7 (1.00)	73789 (10.35)	0 (0.00)
<i>rtghi</i>	7 (1.00)	2460 (310.37)	0 (0.00)	7 (1.00)	2460 (310.37)	0 (0.00)
<i>etghi</i>	7 (1.00)	18464 (41.35)	0 (0.00)	7 (1.00)	18464 (41.35)	0 (0.00)
<i>tgdedx1</i>	7 (1.00)	136457 (5.60)	0 (0.00)	7 (1.00)	136457 (5.60)	0 (0.00)
<i>tgdedx2</i>	7 (1.00)	63770 (11.97)	0 (0.00)	7 (1.00)	63770 (11.97)	0 (0.00)
tgdedx	7 (1.00)	210833 (3.62)	0 (0.00)	7 (1.00)	210833 (3.62)	0 (0.00)
<i>tglike1</i>	7 (1.00)	108578 (7.03)	0 (0.00)	7 (1.00)	108578 (7.03)	0 (0.00)
<i>tglike2</i>	7 (1.00)	97907 (7.80)	0 (0.00)	7 (1.00)	97907 (7.80)	0 (0.00)
TGLIKE	7 (1.00)	147246 (5.19)	0 (0.00)	7 (1.00)	147246 (5.19)	0 (0.00)
<i>tgdb4</i>	6 (1.17)	60906 (12.54)	0 (0.00)	6 (1.17)	60906 (12.54)	0 (0.00)
<i>tgdb4tip</i>	6 (1.00)	208039 (3.67)	0 (0.00)	6 (1.00)	208039 (3.67)	0 (0.00)
<i>tgdvxtip</i>	6 (1.00)	125191 (6.10)	0 (0.00)	6 (1.00)	125191 (6.10)	0 (0.00)
<i>tgdvxpi</i>	6 (1.00)	86718 (8.80)	0 (0.00)	6 (1.00)	86718 (8.80)	0 (0.00)
TGB4	6 (1.00)	314260 (2.43)	0 (0.00)	6 (1.00)	314260 (2.43)	0 (0.00)
<i>pigap</i>	6 (1.00)	68694 (11.11)	0 (0.00)	6 (1.00)	68694 (11.11)	0 (0.00)
KIN	6 (1.00)	646729 (1.18)	0 (0.00)	6 (1.00)	646729 (1.18)	0 (0.00)
<i>piflg</i>	6 (1.00)	25958 (29.41)	0 (0.00)	6 (1.00)	25958 (29.41)	0 (0.00)
<i>ev502</i>	5 (1.20)	218072 (3.50)	0 (0.00)	5 (1.20)	218072 (3.50)	0 (0.00)
<i>elveto</i>	5 (1.00)	184712 (4.13)	0 (0.00)	5 (1.00)	184712 (4.13)	0 (0.00)
<i>tdfool</i>	5 (1.00)	134180 (5.69)	0 (0.00)	5 (1.00)	134180 (5.69)	0 (0.00)
<i>tdvarnm02</i>	5 (1.00)	283368 (2.69)	0 (0.00)	5 (1.00)	283368 (2.69)	0 (0.00)
TD	5 (1.00)	433258 (1.76)	0 (0.00)	5 (1.00)	433258 (1.76)	0 (0.00)
<i>cktrs · cktail</i>	2 (2.50)	462111 (1.65)	2 (2.00)	2 (2.50)	462111 (1.65)	2 (2.00)
<i>b4trs</i>	0 (2.00)	170529 (4.48)	2 (2.00)	0 (2.00)	170529 (4.48)	2 (2.00)
<i>b4ccd</i>	0 (0.00)	9165 (83.31)	0 (0.00)	0 (0.00)	9165 (83.31)	0 (0.00)
Total Rej.	2.00			2.00		

Table 17: 2-Beam Normalization. Branch no. 2

Cuts	notargf seq	notargf single	notargf allbut	early seq	early single	early allbut
<i>BOX</i>	763506 (0.00)	0 (763506.00)	0 (0.00)	763506 (0.00)	0 (763506.00)	0 (0.00)
<i>rsdedxmax</i>	763506 (1.00)	0 (763506.00)	0 (0.00)	763506 (1.00)	0 (763506.00)	0 (0.00)
<i>rsdedxcl</i>	763506 (1.00)	0 (763506.00)	0 (0.00)	763506 (1.00)	0 (763506.00)	0 (0.00)
<i>rslike</i>	763506 (1.00)	0 (763506.00)	0 (0.00)	763506 (1.00)	0 (763506.00)	0 (0.00)
<i>pv(nottg)</i>	436068 (1.75)	327438 (2.33)	2 (2.00)	436068 (1.75)	327438 (2.33)	2 (2.00)
<i>tgqualt</i>	407068 (1.07)	54567 (13.99)	0 (0.00)	407068 (1.07)	54567 (13.99)	0 (0.00)
<i>timcon</i>	403347 (1.01)	8971 (85.11)	0 (0.00)	403347 (1.01)	8971 (85.11)	0 (0.00)
<i>epitg</i>	395836 (1.02)	19737 (38.68)	0 (0.00)	395836 (1.02)	19737 (38.68)	0 (0.00)
<i>tger</i>	388695 (1.02)	20789 (36.73)	0 (0.00)	388695 (1.02)	20789 (36.73)	0 (0.00)
<i>ticcon</i>	388684 (1.00)	117 (6525.69)	0 (0.00)	388684 (1.00)	117 (6525.69)	0 (0.00)
<i>dtgttp</i>	388631 (1.00)	653 (1169.23)	0 (0.00)	388631 (1.00)	653 (1169.23)	0 (0.00)
<i>rtdif</i>	378396 (1.03)	17941 (42.56)	0 (0.00)	378396 (1.03)	17941 (42.56)	0 (0.00)
<i>drp</i>	371789 (1.02)	13627 (56.03)	0 (0.00)	371789 (1.02)	13627 (56.03)	0 (0.00)
<i>eidcon</i>	362833 (1.02)	32211 (23.70)	0 (0.00)	362833 (1.02)	32211 (23.70)	0 (0.00)
<i>kic</i>	318259 (1.14)	153781 (4.96)	0 (0.00)	318259 (1.14)	153781 (4.96)	0 (0.00)
<i>tggeo</i>	269900 (1.18)	319091 (2.39)	0 (0.00)	269900 (1.18)	319091 (2.39)	0 (0.00)
<i>tgz fool</i>	268092 (1.01)	12333 (61.91)	0 (0.00)	268092 (1.01)	12333 (61.91)	0 (0.00)
<i>upvtrs</i>	244026 (1.10)	60718 (12.57)	0 (0.00)	244026 (1.10)	60718 (12.57)	0 (0.00)
<i>rvtrs</i>	241998 (1.01)	15533 (49.15)	0 (0.00)	241998 (1.01)	15533 (49.15)	0 (0.00)
<i>tgcon</i>	229201 (1.06)	60727 (12.57)	0 (0.00)	229201 (1.06)	60727 (12.57)	0 (0.00)
<i>b4etcon</i>	222642 (1.03)	23606 (32.34)	0 (0.00)	222642 (1.03)	23606 (32.34)	0 (0.00)
<i>b4tim</i>	80921 (2.75)	395143 (1.93)	0 (0.00)	80921 (2.75)	395143 (1.93)	0 (0.00)
<i>tgktim</i>	80921 (1.00)	0 (763506.00)	0 (0.00)	80921 (1.00)	0 (763506.00)	0 (0.00)
<i>tgenr</i>	78888 (1.03)	92823 (8.23)	0 (0.00)	78888 (1.03)	92823 (8.23)	0 (0.00)
<i>chi567</i>	27978 (2.82)	511542 (1.49)	0 (0.00)	27978 (2.82)	511542 (1.49)	0 (0.00)
<i>npitg</i>	27978 (1.00)	54567 (13.99)	0 (0.00)	27978 (1.00)	54567 (13.99)	0 (0.00)
<i>verrng</i>	20194 (1.39)	321757 (2.37)	0 (0.00)	20194 (1.39)	321757 (2.37)	0 (0.00)
<i>chi5max</i>	19326 (1.04)	225902 (3.38)	0 (0.00)	19326 (1.04)	225902 (3.38)	0 (0.00)
<i>angli</i>	19258 (1.00)	53576 (14.25)	0 (0.00)	19258 (1.00)	53576 (14.25)	0 (0.00)
<i>ALLK fit</i>	12212 (1.58)	291298 (2.62)	0 (0.00)	12212 (1.58)	291298 (2.62)	0 (0.00)
<i>tpics</i>	10691 (1.14)	98026 (7.79)	0 (0.00)	10691 (1.14)	98026 (7.79)	0 (0.00)
<i>epionk</i>	10360 (1.03)	21959 (34.77)	0 (0.00)	10360 (1.03)	21959 (34.77)	0 (0.00)
<i>ccd pul</i>	2611 (3.97)	613958 (1.24)	0 (0.00)	2611 (3.97)	613958 (1.24)	0 (0.00)
<i>timkf</i>	1792 (1.46)	553685 (1.38)	0 (0.00)	1792 (1.46)	553685 (1.38)	0 (0.00)
<i>DELIC(0.)</i>	494 (3.63)	544240 (1.40)	5 (5.00)	494 (3.63)	544240 (1.40)	5 (5.00)
<i>b4dedx</i>	491 (1.01)	212707 (3.59)	0 (0.00)	491 (1.01)	212707 (3.59)	0 (0.00)
<i>cpitrs</i>	462 (1.06)	318061 (2.40)	0 (0.00)	462 (1.06)	318061 (2.40)	0 (0.00)
<i>cpitail</i>	462 (1.00)	56586 (13.49)	0 (0.00)	462 (1.00)	56586 (13.49)	0 (0.00)
<i>BOX</i>	462 (1.00)	0 (763506.00)	0 (0.00)	462 (1.00)	0 (763506.00)	0 (0.00)
<i>icodel14</i>	462 (1.00)	4 (190877.00)	0 (0.00)	462 (1.00)	4 (190877.00)	0 (0.00)
<i>cos3d</i>	451 (1.02)	58256 (13.11)	0 (0.00)	451 (1.02)	58256 (13.11)	0 (0.00)
<i>layv4</i>	451 (1.00)	0 (763506.00)	0 (0.00)	451 (1.00)	0 (763506.00)	0 (0.00)
<i>zfrf</i>	449 (1.00)	828 (922.11)	0 (0.00)	449 (1.00)	828 (922.11)	0 (0.00)
<i>zutout</i>	449 (1.00)	592 (1289.71)	0 (0.00)	449 (1.00)	592 (1289.71)	0 (0.00)
FIDUCIAL	449 (1.00)	59345 (12.87)	0 (0.00)	449 (1.00)	59345 (12.87)	0 (0.00)
<i>utqual</i>	358 (1.25)	153963 (4.96)	0 (0.00)	358 (1.25)	153963 (4.96)	0 (0.00)

continued on next page

Cuts	notargf seq	notargf single	notargf allbut	early seq	early single	early allbut
<i>rsdedxcl</i>	358 (1.00)	0 (763506.00)	0 (0.00)	358 (1.00)	0 (763506.00)	0 (0.00)
<i>rsdedxmax</i>	358 (1.00)	0 (763506.00)	0 (0.00)	358 (1.00)	0 (763506.00)	0 (0.00)
<i>rslike</i>	358 (1.00)	0 (763506.00)	0 (0.00)	358 (1.00)	0 (763506.00)	0 (0.00)
<i>tgktim</i>	358 (1.00)	0 (763506.00)	0 (0.00)	358 (1.00)	0 (763506.00)	0 (0.00)
<i>rngmom</i>	8 (44.75)	223313 (3.42)	0 (0.00)	8 (44.75)	223313 (3.42)	0 (0.00)
<i>prrf1</i>	8 (1.00)	24547 (31.10)	0 (0.00)	8 (1.00)	24547 (31.10)	0 (0.00)
<i>prrfz</i>	7 (1.14)	51815 (14.74)	0 (0.00)	7 (1.14)	51815 (14.74)	0 (0.00)
PRRF	7 (1.00)	73789 (10.35)	0 (0.00)	7 (1.00)	73789 (10.35)	0 (0.00)
<i>rtghi</i>	7 (1.00)	2460 (310.37)	0 (0.00)	7 (1.00)	2460 (310.37)	0 (0.00)
<i>etghi</i>	7 (1.00)	18464 (41.35)	0 (0.00)	7 (1.00)	18464 (41.35)	0 (0.00)
<i>tgdedx1</i>	7 (1.00)	136457 (5.60)	0 (0.00)	7 (1.00)	136457 (5.60)	0 (0.00)
<i>tgdedx2</i>	7 (1.00)	63770 (11.97)	0 (0.00)	7 (1.00)	63770 (11.97)	0 (0.00)
tgdedx	7 (1.00)	210833 (3.62)	0 (0.00)	7 (1.00)	210833 (3.62)	0 (0.00)
<i>tglike1</i>	7 (1.00)	108578 (7.03)	0 (0.00)	7 (1.00)	108578 (7.03)	0 (0.00)
<i>tglike2</i>	7 (1.00)	97907 (7.80)	0 (0.00)	7 (1.00)	97907 (7.80)	0 (0.00)
TGLIKE	7 (1.00)	147246 (5.19)	0 (0.00)	7 (1.00)	147246 (5.19)	0 (0.00)
<i>tgdb4</i>	6 (1.17)	60906 (12.54)	0 (0.00)	6 (1.17)	60906 (12.54)	0 (0.00)
<i>tgdb4tip</i>	6 (1.00)	208039 (3.67)	0 (0.00)	6 (1.00)	208039 (3.67)	0 (0.00)
<i>tgdvxtip</i>	6 (1.00)	125191 (6.10)	0 (0.00)	6 (1.00)	125191 (6.10)	0 (0.00)
<i>tgdvxpi</i>	6 (1.00)	86718 (8.80)	0 (0.00)	6 (1.00)	86718 (8.80)	0 (0.00)
TGB4	6 (1.00)	314260 (2.43)	0 (0.00)	6 (1.00)	314260 (2.43)	0 (0.00)
<i>pigap</i>	6 (1.00)	68694 (11.11)	0 (0.00)	6 (1.00)	68694 (11.11)	0 (0.00)
KIN	6 (1.00)	646729 (1.18)	0 (0.00)	6 (1.00)	646729 (1.18)	0 (0.00)
<i>piflg</i>	6 (1.00)	25958 (29.41)	0 (0.00)	6 (1.00)	25958 (29.41)	0 (0.00)
<i>ev502</i>	5 (1.20)	218072 (3.50)	0 (0.00)	5 (1.20)	218072 (3.50)	0 (0.00)
<i>elveto</i>	5 (1.00)	184712 (4.13)	0 (0.00)	5 (1.00)	184712 (4.13)	0 (0.00)
<i>tdfool</i>	5 (1.00)	134180 (5.69)	0 (0.00)	5 (1.00)	134180 (5.69)	0 (0.00)
<i>tdvarnm02</i>	5 (1.00)	283368 (2.69)	0 (0.00)	5 (1.00)	283368 (2.69)	0 (0.00)
TD	5 (1.00)	433258 (1.76)	0 (0.00)	5 (1.00)	433258 (1.76)	0 (0.00)
<i>cktrs · cktail</i>	2 (2.50)	462111 (1.65)	3 (3.00)	2 (2.50)	462111 (1.65)	3 (3.00)
<i>targf</i>	2 (1.00)	105229 (7.26)	0 (0.00)	2 (1.00)	105229 (7.26)	0 (0.00)
<i>b4ekz</i>	0 (2.00)	521719 (1.46)	0 (0.00)	0 (2.00)	521719 (1.46)	0 (0.00)
<i>epimaxk</i>	0 (0.00)	46984 (16.25)	0 (0.00)	0 (0.00)	46984 (16.25)	0 (0.00)
<i>phivtx1</i>	0 (0.00)	168683 (4.53)	0 (0.00)	0 (0.00)	168683 (4.53)	0 (0.00)
<i>opsveto</i>	0 (0.00)	233980 (3.26)	0 (0.00)	0 (0.00)	233980 (3.26)	0 (0.00)
<i>tdedge</i>	0 (0.00)	108151 (7.06)	0 (0.00)	0 (0.00)	108151 (7.06)	0 (0.00)
<i>tgccdpf off</i>	0 (0.00)	0 (763506.00)	0 (0.00)	0 (0.00)	0 (763506.00)	0 (0.00)
<i>rtghi</i>	0 (0.00)	2460 (310.37)	0 (0.00)	0 (0.00)	2460 (310.37)	0 (0.00)
<i>etghi</i>	0 (0.00)	18464 (41.35)	0 (0.00)	0 (0.00)	18464 (41.35)	0 (0.00)
<i>tgdedx1</i>	0 (0.00)	136457 (5.60)	0 (0.00)	0 (0.00)	136457 (5.60)	0 (0.00)
<i>tgdedx2</i>	0 (0.00)	63770 (11.97)	0 (0.00)	0 (0.00)	63770 (11.97)	0 (0.00)
tgdedx	0 (0.00)	210833 (3.62)	0 (0.00)	0 (0.00)	210833 (3.62)	0 (0.00)
<i>tglike1</i>	0 (0.00)	108578 (7.03)	0 (0.00)	0 (0.00)	108578 (7.03)	0 (0.00)
<i>tglike2</i>	0 (0.00)	97907 (7.80)	0 (0.00)	0 (0.00)	97907 (7.80)	0 (0.00)
TGLIKE	0 (0.00)	147246 (5.19)	0 (0.00)	0 (0.00)	147246 (5.19)	0 (0.00)
<i>tgdb4</i>	0 (0.00)	60906 (12.54)	0 (0.00)	0 (0.00)	60906 (12.54)	0 (0.00)

continued on next page

Cuts	notargf seq	notargf single	notargf allbut	early seq	early single	early allbut
<i>tgdb4tip</i>	0 (0.00)	208039 (3.67)	0 (0.00)	0 (0.00)	208039 (3.67)	0 (0.00)
<i>tgdvxtip</i>	0 (0.00)	125191 (6.10)	0 (0.00)	0 (0.00)	125191 (6.10)	0 (0.00)
<i>tgdvxpi</i>	0 (0.00)	86718 (8.80)	0 (0.00)	0 (0.00)	86718 (8.80)	0 (0.00)
TGB4	0 (0.00)	314260 (2.43)	0 (0.00)	0 (0.00)	314260 (2.43)	0 (0.00)
<i>pigap</i>	0 (0.00)	68694 (11.11)	0 (0.00)	0 (0.00)	68694 (11.11)	0 (0.00)
TGKIN	0 (0.00)	481429 (1.59)	0 (0.00)	0 (0.00)	481429 (1.59)	0 (0.00)
<i>tgpv</i>	0 (0.00)	229186 (3.33)	0 (0.00)	0 (0.00)	229186 (3.33)	0 (0.00)
Total Rej.	2.00			2.00		

Table 18: 2-Beam Normalization. Branch no. 3

Cuts	notargf seq	notargf single	notargf allbut	early seq	early single	early allbut
<i>BOX</i>	763506 (0.00)	0 (763506.00)	0 (0.00)	763506 (0.00)	0 (763506.00)	0 (0.00)
<i>rsdedxmax</i>	763506 (1.00)	0 (763506.00)	0 (0.00)	763506 (1.00)	0 (763506.00)	0 (0.00)
<i>rsdedxcl</i>	763506 (1.00)	0 (763506.00)	0 (0.00)	763506 (1.00)	0 (763506.00)	0 (0.00)
<i>rslike</i>	763506 (1.00)	0 (763506.00)	0 (0.00)	763506 (1.00)	0 (763506.00)	0 (0.00)
<i>pv(nottg)</i>	436068 (1.75)	327438 (2.33)	1 (1.00)	436068 (1.75)	327438 (2.33)	1 (1.00)
<i>tgqualt</i>	407068 (1.07)	54567 (13.99)	0 (0.00)	407068 (1.07)	54567 (13.99)	0 (0.00)
<i>timcon</i>	403347 (1.01)	8971 (85.11)	0 (0.00)	403347 (1.01)	8971 (85.11)	0 (0.00)
<i>epitg</i>	395836 (1.02)	19737 (38.68)	0 (0.00)	395836 (1.02)	19737 (38.68)	0 (0.00)
<i>tger</i>	388695 (1.02)	20789 (36.73)	0 (0.00)	388695 (1.02)	20789 (36.73)	0 (0.00)
<i>ticcon</i>	388684 (1.00)	117 (6525.69)	0 (0.00)	388684 (1.00)	117 (6525.69)	0 (0.00)
<i>dtgttp</i>	388631 (1.00)	653 (1169.23)	0 (0.00)	388631 (1.00)	653 (1169.23)	0 (0.00)
<i>rtdif</i>	378396 (1.03)	17941 (42.56)	0 (0.00)	378396 (1.03)	17941 (42.56)	0 (0.00)
<i>drp</i>	371789 (1.02)	13627 (56.03)	0 (0.00)	371789 (1.02)	13627 (56.03)	0 (0.00)
<i>eiicon</i>	362833 (1.02)	32211 (23.70)	0 (0.00)	362833 (1.02)	32211 (23.70)	0 (0.00)
<i>kic</i>	318259 (1.14)	153781 (4.96)	0 (0.00)	318259 (1.14)	153781 (4.96)	0 (0.00)
<i>tggeo</i>	269900 (1.18)	319091 (2.39)	0 (0.00)	269900 (1.18)	319091 (2.39)	0 (0.00)
<i>tgz fool</i>	268092 (1.01)	12333 (61.91)	0 (0.00)	268092 (1.01)	12333 (61.91)	0 (0.00)
<i>upvtrs</i>	244026 (1.10)	60718 (12.57)	0 (0.00)	244026 (1.10)	60718 (12.57)	0 (0.00)
<i>rvtrs</i>	241998 (1.01)	15533 (49.15)	0 (0.00)	241998 (1.01)	15533 (49.15)	0 (0.00)
<i>tgtcon</i>	229201 (1.06)	60727 (12.57)	0 (0.00)	229201 (1.06)	60727 (12.57)	0 (0.00)
<i>b4etcon</i>	222642 (1.03)	23606 (32.34)	0 (0.00)	222642 (1.03)	23606 (32.34)	0 (0.00)
<i>b4tim</i>	80921 (2.75)	395143 (1.93)	0 (0.00)	80921 (2.75)	395143 (1.93)	0 (0.00)
<i>tgktim</i>	80921 (1.00)	0 (763506.00)	0 (0.00)	80921 (1.00)	0 (763506.00)	0 (0.00)
<i>tgenr</i>	78888 (1.03)	92823 (8.23)	0 (0.00)	78888 (1.03)	92823 (8.23)	0 (0.00)
<i>chi567</i>	27978 (2.82)	511542 (1.49)	0 (0.00)	27978 (2.82)	511542 (1.49)	0 (0.00)
<i>npitg</i>	27978 (1.00)	54567 (13.99)	0 (0.00)	27978 (1.00)	54567 (13.99)	0 (0.00)
<i>verrng</i>	20194 (1.39)	321757 (2.37)	2 (2.00)	20194 (1.39)	321757 (2.37)	2 (2.00)
<i>chi5max</i>	19326 (1.04)	225902 (3.38)	0 (0.00)	19326 (1.04)	225902 (3.38)	0 (0.00)
<i>angli</i>	19258 (1.00)	53576 (14.25)	0 (0.00)	19258 (1.00)	53576 (14.25)	0 (0.00)
<i>ALLK fit</i>	12212 (1.58)	291298 (2.62)	0 (0.00)	12212 (1.58)	291298 (2.62)	0 (0.00)
<i>tpics</i>	10691 (1.14)	98026 (7.79)	0 (0.00)	10691 (1.14)	98026 (7.79)	0 (0.00)
<i>epionk</i>	10360 (1.03)	21959 (34.77)	0 (0.00)	10360 (1.03)	21959 (34.77)	0 (0.00)
<i>ccd pul</i>	2611 (3.97)	613958 (1.24)	8 (8.00)	2611 (3.97)	613958 (1.24)	8 (8.00)
<i>timkf</i>	1792 (1.46)	553685 (1.38)	0 (0.00)	1792 (1.46)	553685 (1.38)	0 (0.00)
<i>DELC(0.)</i>	494 (3.63)	544240 (1.40)	1 (1.00)	494 (3.63)	544240 (1.40)	1 (1.00)
<i>b4dedx</i>	491 (1.01)	212707 (3.59)	0 (0.00)	491 (1.01)	212707 (3.59)	0 (0.00)
<i>cktrs</i>	400 (1.23)	267206 (2.86)	0 (0.00)	400 (1.23)	267206 (2.86)	0 (0.00)
<i>cktail</i>	397 (1.01)	170693 (4.47)	0 (0.00)	397 (1.01)	170693 (4.47)	0 (0.00)
<i>BOX</i>	397 (1.00)	0 (763506.00)	0 (0.00)	397 (1.00)	0 (763506.00)	0 (0.00)
<i>icodel14</i>	397 (1.00)	4 (190877.00)	0 (0.00)	397 (1.00)	4 (190877.00)	0 (0.00)
<i>cos3d</i>	388 (1.02)	58256 (13.11)	0 (0.00)	388 (1.02)	58256 (13.11)	0 (0.00)
<i>layv4</i>	388 (1.00)	0 (763506.00)	0 (0.00)	388 (1.00)	0 (763506.00)	0 (0.00)
<i>zfrf</i>	386 (1.01)	828 (922.11)	0 (0.00)	386 (1.01)	828 (922.11)	0 (0.00)
<i>zutout</i>	386 (1.00)	592 (1289.71)	0 (0.00)	386 (1.00)	592 (1289.71)	0 (0.00)
FIDUCIAL	386 (1.00)	59345 (12.87)	0 (0.00)	386 (1.00)	59345 (12.87)	0 (0.00)
<i>utqual</i>	310 (1.25)	153963 (4.96)	0 (0.00)	310 (1.25)	153963 (4.96)	0 (0.00)

continued on next page

Cuts	notargf seq	notargf single	notargf allbut	early seq	early single	early allbu
<i>rsdedxcl</i>	310 (1.00)	0 (763506.00)	0 (0.00)	310 (1.00)	0 (763506.00)	0 (0.00)
<i>rsdedxmax</i>	310 (1.00)	0 (763506.00)	0 (0.00)	310 (1.00)	0 (763506.00)	0 (0.00)
<i>rslike</i>	310 (1.00)	0 (763506.00)	0 (0.00)	310 (1.00)	0 (763506.00)	0 (0.00)
<i>tgktim</i>	310 (1.00)	0 (763506.00)	0 (0.00)	310 (1.00)	0 (763506.00)	0 (0.00)
<i>rngmom</i>	27 (11.48)	223313 (3.42)	0 (0.00)	27 (11.48)	223313 (3.42)	0 (0.00)
<i>prrf1</i>	27 (1.00)	24547 (31.10)	0 (0.00)	27 (1.00)	24547 (31.10)	0 (0.00)
<i>prrfz</i>	25 (1.08)	51815 (14.74)	0 (0.00)	25 (1.08)	51815 (14.74)	0 (0.00)
PRRF	25 (1.00)	73789 (10.35)	0 (0.00)	25 (1.00)	73789 (10.35)	0 (0.00)
<i>rtghi</i>	25 (1.00)	2460 (310.37)	0 (0.00)	25 (1.00)	2460 (310.37)	0 (0.00)
<i>etghi</i>	25 (1.00)	18464 (41.35)	0 (0.00)	25 (1.00)	18464 (41.35)	0 (0.00)
<i>tgdedx1</i>	23 (1.09)	136457 (5.60)	0 (0.00)	23 (1.09)	136457 (5.60)	0 (0.00)
<i>tgdedx2</i>	23 (1.00)	63770 (11.97)	0 (0.00)	23 (1.00)	63770 (11.97)	0 (0.00)
tgdedx	23 (1.00)	210833 (3.62)	0 (0.00)	23 (1.00)	210833 (3.62)	0 (0.00)
<i>tglike1</i>	23 (1.00)	108578 (7.03)	0 (0.00)	23 (1.00)	108578 (7.03)	0 (0.00)
<i>tglike2</i>	23 (1.00)	97907 (7.80)	0 (0.00)	23 (1.00)	97907 (7.80)	0 (0.00)
TGLIKE	23 (1.00)	147246 (5.19)	0 (0.00)	23 (1.00)	147246 (5.19)	0 (0.00)
<i>tgdb4</i>	20 (1.15)	60906 (12.54)	0 (0.00)	20 (1.15)	60906 (12.54)	0 (0.00)
<i>tgdb4tip</i>	18 (1.11)	208039 (3.67)	0 (0.00)	18 (1.11)	208039 (3.67)	0 (0.00)
<i>tgdvxtip</i>	17 (1.06)	125191 (6.10)	0 (0.00)	17 (1.06)	125191 (6.10)	0 (0.00)
<i>tgdvxpi</i>	17 (1.00)	86718 (8.80)	0 (0.00)	17 (1.00)	86718 (8.80)	0 (0.00)
TGB4	17 (1.00)	314260 (2.43)	0 (0.00)	17 (1.00)	314260 (2.43)	0 (0.00)
<i>pigap</i>	16 (1.06)	68694 (11.11)	0 (0.00)	16 (1.06)	68694 (11.11)	0 (0.00)
KIN	16 (1.00)	646729 (1.18)	0 (0.00)	16 (1.00)	646729 (1.18)	0 (0.00)
<i>piflg</i>	16 (1.00)	25958 (29.41)	0 (0.00)	16 (1.00)	25958 (29.41)	0 (0.00)
<i>ev502</i>	12 (1.33)	218072 (3.50)	0 (0.00)	12 (1.33)	218072 (3.50)	0 (0.00)
<i>elveto</i>	11 (1.09)	184712 (4.13)	0 (0.00)	11 (1.09)	184712 (4.13)	0 (0.00)
<i>tdfool</i>	11 (1.00)	134180 (5.69)	0 (0.00)	11 (1.00)	134180 (5.69)	0 (0.00)
<i>tdvarnm02</i>	9 (1.22)	283368 (2.69)	0 (0.00)	9 (1.22)	283368 (2.69)	0 (0.00)
TD	9 (1.00)	433258 (1.76)	0 (0.00)	9 (1.00)	433258 (1.76)	0 (0.00)
<i>cpitrs · cpitail · bwtrs</i>	6 (1.50)	347519 (2.20)	2 (2.00)	6 (1.50)	347519 (2.20)	2 (2.00)
<i>b4trs</i>	0 (6.00)	170529 (4.48)	6 (6.00)	0 (6.00)	170529 (4.48)	6 (6.00)
<i>b4ccd</i>	0 (0.00)	9165 (83.31)	0 (0.00)	0 (0.00)	9165 (83.31)	0 (0.00)
Total Rej.	6.00			6.00		

Table 19: 2-Beam Normalization. Branch no. 4

Cuts	notargf seq	notargf single	notargf allbut	early seq	early single	early allbut
<i>BOX</i>	763506 (0.00)	0 (763506.00)	0 (0.00)	763506 (0.00)	0 (763506.00)	0 (0.00)
<i>rsdedxmax</i>	763506 (1.00)	0 (763506.00)	0 (0.00)	763506 (1.00)	0 (763506.00)	0 (0.00)
<i>rsdedxcl</i>	763506 (1.00)	0 (763506.00)	0 (0.00)	763506 (1.00)	0 (763506.00)	0 (0.00)
<i>rslike</i>	763506 (1.00)	0 (763506.00)	0 (0.00)	763506 (1.00)	0 (763506.00)	0 (0.00)
<i>pv(nottg)</i>	436068 (1.75)	327438 (2.33)	1 (1.00)	436068 (1.75)	327438 (2.33)	1 (1.00)
<i>tgqualt</i>	407068 (1.07)	54567 (13.99)	0 (0.00)	407068 (1.07)	54567 (13.99)	0 (0.00)
<i>timcon</i>	403347 (1.01)	8971 (85.11)	0 (0.00)	403347 (1.01)	8971 (85.11)	0 (0.00)
<i>epitg</i>	395836 (1.02)	19737 (38.68)	0 (0.00)	395836 (1.02)	19737 (38.68)	0 (0.00)
<i>tger</i>	388695 (1.02)	20789 (36.73)	0 (0.00)	388695 (1.02)	20789 (36.73)	0 (0.00)
<i>ticcon</i>	388684 (1.00)	117 (6525.69)	0 (0.00)	388684 (1.00)	117 (6525.69)	0 (0.00)
<i>dtgttp</i>	388631 (1.00)	653 (1169.23)	0 (0.00)	388631 (1.00)	653 (1169.23)	0 (0.00)
<i>rtdif</i>	378396 (1.03)	17941 (42.56)	0 (0.00)	378396 (1.03)	17941 (42.56)	0 (0.00)
<i>drp</i>	371789 (1.02)	13627 (56.03)	0 (0.00)	371789 (1.02)	13627 (56.03)	0 (0.00)
<i>eiicon</i>	362833 (1.02)	32211 (23.70)	0 (0.00)	362833 (1.02)	32211 (23.70)	0 (0.00)
<i>kic</i>	318259 (1.14)	153781 (4.96)	0 (0.00)	318259 (1.14)	153781 (4.96)	0 (0.00)
<i>tggeo</i>	269900 (1.18)	319091 (2.39)	0 (0.00)	269900 (1.18)	319091 (2.39)	0 (0.00)
<i>tgz fool</i>	268092 (1.01)	12333 (61.91)	0 (0.00)	268092 (1.01)	12333 (61.91)	0 (0.00)
<i>upvtrs</i>	244026 (1.10)	60718 (12.57)	0 (0.00)	244026 (1.10)	60718 (12.57)	0 (0.00)
<i>rvtrs</i>	241998 (1.01)	15533 (49.15)	0 (0.00)	241998 (1.01)	15533 (49.15)	0 (0.00)
<i>tgcon</i>	229201 (1.06)	60727 (12.57)	0 (0.00)	229201 (1.06)	60727 (12.57)	0 (0.00)
<i>b4etcon</i>	222642 (1.03)	23606 (32.34)	0 (0.00)	222642 (1.03)	23606 (32.34)	0 (0.00)
<i>b4tim</i>	80921 (2.75)	395143 (1.93)	0 (0.00)	80921 (2.75)	395143 (1.93)	0 (0.00)
<i>tgktim</i>	80921 (1.00)	0 (763506.00)	0 (0.00)	80921 (1.00)	0 (763506.00)	0 (0.00)
<i>tgenr</i>	78888 (1.03)	92823 (8.23)	0 (0.00)	78888 (1.03)	92823 (8.23)	0 (0.00)
<i>chi567</i>	27978 (2.82)	511542 (1.49)	0 (0.00)	27978 (2.82)	511542 (1.49)	0 (0.00)
<i>npitg</i>	27978 (1.00)	54567 (13.99)	0 (0.00)	27978 (1.00)	54567 (13.99)	0 (0.00)
<i>verrng</i>	20194 (1.39)	321757 (2.37)	0 (0.00)	20194 (1.39)	321757 (2.37)	0 (0.00)
<i>chi5max</i>	19326 (1.04)	225902 (3.38)	0 (0.00)	19326 (1.04)	225902 (3.38)	0 (0.00)
<i>angli</i>	19258 (1.00)	53576 (14.25)	0 (0.00)	19258 (1.00)	53576 (14.25)	0 (0.00)
<i>ALLK fit</i>	12212 (1.58)	291298 (2.62)	0 (0.00)	12212 (1.58)	291298 (2.62)	0 (0.00)
<i>tpics</i>	10691 (1.14)	98026 (7.79)	0 (0.00)	10691 (1.14)	98026 (7.79)	0 (0.00)
<i>epionk</i>	10360 (1.03)	21959 (34.77)	0 (0.00)	10360 (1.03)	21959 (34.77)	0 (0.00)
<i>ccd pul</i>	2611 (3.97)	613958 (1.24)	1 (1.00)	2611 (3.97)	613958 (1.24)	1 (1.00)
<i>timkf</i>	1792 (1.46)	553685 (1.38)	0 (0.00)	1792 (1.46)	553685 (1.38)	0 (0.00)
<i>DELC(0.)</i>	494 (3.63)	544240 (1.40)	0 (0.00)	494 (3.63)	544240 (1.40)	0 (0.00)
<i>b4dedx</i>	491 (1.01)	212707 (3.59)	0 (0.00)	491 (1.01)	212707 (3.59)	0 (0.00)
<i>cktrs</i>	400 (1.23)	267206 (2.86)	0 (0.00)	400 (1.23)	267206 (2.86)	0 (0.00)
<i>cktail</i>	397 (1.01)	170693 (4.47)	0 (0.00)	397 (1.01)	170693 (4.47)	0 (0.00)
<i>BOX</i>	397 (1.00)	0 (763506.00)	0 (0.00)	397 (1.00)	0 (763506.00)	0 (0.00)
<i>icodel14</i>	397 (1.00)	4 (190877.00)	0 (0.00)	397 (1.00)	4 (190877.00)	0 (0.00)
<i>cos3d</i>	388 (1.02)	58256 (13.11)	0 (0.00)	388 (1.02)	58256 (13.11)	0 (0.00)
<i>layv4</i>	388 (1.00)	0 (763506.00)	0 (0.00)	388 (1.00)	0 (763506.00)	0 (0.00)
<i>zfrf</i>	386 (1.01)	828 (922.11)	0 (0.00)	386 (1.01)	828 (922.11)	0 (0.00)
<i>zutout</i>	386 (1.00)	592 (1289.71)	0 (0.00)	386 (1.00)	592 (1289.71)	0 (0.00)
FIDUCIAL	386 (1.00)	59345 (12.87)	0 (0.00)	386 (1.00)	59345 (12.87)	0 (0.00)
<i>utqual</i>	310 (1.25)	153963 (4.96)	0 (0.00)	310 (1.25)	153963 (4.96)	0 (0.00)

continued on next page

Cuts	notargf seq	notargf single	notargf allbut	early seq	early single	early allbu
<i>rsdedxcl</i>	310 (1.00)	0 (763506.00)	0 (0.00)	310 (1.00)	0 (763506.00)	0 (0.00)
<i>rsdedxmax</i>	310 (1.00)	0 (763506.00)	0 (0.00)	310 (1.00)	0 (763506.00)	0 (0.00)
<i>rslike</i>	310 (1.00)	0 (763506.00)	0 (0.00)	310 (1.00)	0 (763506.00)	0 (0.00)
<i>tgktim</i>	310 (1.00)	0 (763506.00)	0 (0.00)	310 (1.00)	0 (763506.00)	0 (0.00)
<i>rngmom</i>	27 (11.48)	223313 (3.42)	0 (0.00)	27 (11.48)	223313 (3.42)	0 (0.00)
<i>prrf1</i>	27 (1.00)	24547 (31.10)	0 (0.00)	27 (1.00)	24547 (31.10)	0 (0.00)
<i>prrfz</i>	25 (1.08)	51815 (14.74)	0 (0.00)	25 (1.08)	51815 (14.74)	0 (0.00)
PRRF	25 (1.00)	73789 (10.35)	0 (0.00)	25 (1.00)	73789 (10.35)	0 (0.00)
<i>rtghi</i>	25 (1.00)	2460 (310.37)	0 (0.00)	25 (1.00)	2460 (310.37)	0 (0.00)
<i>etghi</i>	25 (1.00)	18464 (41.35)	0 (0.00)	25 (1.00)	18464 (41.35)	0 (0.00)
<i>tgdedx1</i>	23 (1.09)	136457 (5.60)	0 (0.00)	23 (1.09)	136457 (5.60)	0 (0.00)
<i>tgdedx2</i>	23 (1.00)	63770 (11.97)	0 (0.00)	23 (1.00)	63770 (11.97)	0 (0.00)
tgdedx	23 (1.00)	210833 (3.62)	0 (0.00)	23 (1.00)	210833 (3.62)	0 (0.00)
<i>tglike1</i>	23 (1.00)	108578 (7.03)	0 (0.00)	23 (1.00)	108578 (7.03)	0 (0.00)
<i>tglike2</i>	23 (1.00)	97907 (7.80)	0 (0.00)	23 (1.00)	97907 (7.80)	0 (0.00)
TGLIKE	23 (1.00)	147246 (5.19)	0 (0.00)	23 (1.00)	147246 (5.19)	0 (0.00)
<i>tgdb4</i>	20 (1.15)	60906 (12.54)	0 (0.00)	20 (1.15)	60906 (12.54)	0 (0.00)
<i>tgdb4tip</i>	18 (1.11)	208039 (3.67)	0 (0.00)	18 (1.11)	208039 (3.67)	0 (0.00)
<i>tgdvxtip</i>	17 (1.06)	125191 (6.10)	0 (0.00)	17 (1.06)	125191 (6.10)	0 (0.00)
<i>tgdvxpi</i>	17 (1.00)	86718 (8.80)	0 (0.00)	17 (1.00)	86718 (8.80)	0 (0.00)
TGB4	17 (1.00)	314260 (2.43)	0 (0.00)	17 (1.00)	314260 (2.43)	0 (0.00)
<i>pigap</i>	16 (1.06)	68694 (11.11)	0 (0.00)	16 (1.06)	68694 (11.11)	0 (0.00)
KIN	16 (1.00)	646729 (1.18)	0 (0.00)	16 (1.00)	646729 (1.18)	0 (0.00)
<i>pi_flg</i>	16 (1.00)	25958 (29.41)	0 (0.00)	16 (1.00)	25958 (29.41)	0 (0.00)
<i>ev502</i>	12 (1.33)	218072 (3.50)	0 (0.00)	12 (1.33)	218072 (3.50)	0 (0.00)
<i>elveto</i>	11 (1.09)	184712 (4.13)	0 (0.00)	11 (1.09)	184712 (4.13)	0 (0.00)
<i>tdfool</i>	11 (1.00)	134180 (5.69)	0 (0.00)	11 (1.00)	134180 (5.69)	0 (0.00)
<i>tdvarnm02</i>	9 (1.22)	283368 (2.69)	0 (0.00)	9 (1.22)	283368 (2.69)	0 (0.00)
TD	9 (1.00)	433258 (1.76)	0 (0.00)	9 (1.00)	433258 (1.76)	0 (0.00)
<i>cpitr_s · cpitail · bwtr_s</i>	6 (1.50)	347519 (2.20)	3 (3.00)	6 (1.50)	347519 (2.20)	3 (3.00)
<i>targf</i>	6 (1.00)	105229 (7.26)	0 (0.00)	6 (1.00)	105229 (7.26)	0 (0.00)
<i>b4ekz</i>	2 (3.00)	521719 (1.46)	0 (0.00)	2 (3.00)	521719 (1.46)	0 (0.00)
<i>epimaxk</i>	2 (1.00)	46984 (16.25)	0 (0.00)	2 (1.00)	46984 (16.25)	0 (0.00)
<i>phivtx1</i>	1 (2.00)	168683 (4.53)	0 (0.00)	1 (2.00)	168683 (4.53)	0 (0.00)
<i>opsveto</i>	0 (1.00)	233980 (3.26)	0 (0.00)	0 (1.00)	233980 (3.26)	0 (0.00)
<i>tdedge</i>	0 (0.00)	108151 (7.06)	0 (0.00)	0 (0.00)	108151 (7.06)	0 (0.00)
<i>tgccdpf off</i>	0 (0.00)	0 (763506.00)	0 (0.00)	0 (0.00)	0 (763506.00)	0 (0.00)
<i>rtghi</i>	0 (0.00)	2460 (310.37)	0 (0.00)	0 (0.00)	2460 (310.37)	0 (0.00)
<i>etghi</i>	0 (0.00)	18464 (41.35)	0 (0.00)	0 (0.00)	18464 (41.35)	0 (0.00)
<i>tgdedx1</i>	0 (0.00)	136457 (5.60)	0 (0.00)	0 (0.00)	136457 (5.60)	0 (0.00)
<i>tgdedx2</i>	0 (0.00)	63770 (11.97)	0 (0.00)	0 (0.00)	63770 (11.97)	0 (0.00)
tgdedx	0 (0.00)	210833 (3.62)	0 (0.00)	0 (0.00)	210833 (3.62)	0 (0.00)
<i>tglike1</i>	0 (0.00)	108578 (7.03)	0 (0.00)	0 (0.00)	108578 (7.03)	0 (0.00)
<i>tglike2</i>	0 (0.00)	97907 (7.80)	0 (0.00)	0 (0.00)	97907 (7.80)	0 (0.00)
TGLIKE	0 (0.00)	147246 (5.19)	0 (0.00)	0 (0.00)	147246 (5.19)	0 (0.00)
<i>tgdb4</i>	0 (0.00)	60906 (12.54)	0 (0.00)	0 (0.00)	60906 (12.54)	0 (0.00)

continued on next page

Cuts	notargf seq	notargf single	notargf allbut	early seq	early single	early allbut
<i>tgdb4tip</i>	0 (0.00)	208039 (3.67)	0 (0.00)	0 (0.00)	208039 (3.67)	0 (0.00)
<i>tgdvxtip</i>	0 (0.00)	125191 (6.10)	0 (0.00)	0 (0.00)	125191 (6.10)	0 (0.00)
<i>tgdvxpi</i>	0 (0.00)	86718 (8.80)	0 (0.00)	0 (0.00)	86718 (8.80)	0 (0.00)
TGB4	0 (0.00)	314260 (2.43)	0 (0.00)	0 (0.00)	314260 (2.43)	0 (0.00)
<i>pigap</i>	0 (0.00)	68694 (11.11)	0 (0.00)	0 (0.00)	68694 (11.11)	0 (0.00)
TGKIN	0 (0.00)	481429 (1.59)	0 (0.00)	0 (0.00)	481429 (1.59)	0 (0.00)
<i>tgpv</i>	0 (0.00)	229186 (3.33)	0 (0.00)	0 (0.00)	229186 (3.33)	0 (0.00)
Total Rej.	6.00			6.00		